

WIRE LIST AA

CONDUCTOR		FROM		TO		W-W	
NUMBER	ITEM NO.	CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		FR	TD
		STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT		
AA145	4	90056J14-H4	138N	56J15-M1	138N	1	1
AA146	4	90056J14-K3	138N	56J15-N1	138N	2	1
AA147	4	90056J14-K4	138N	56J15-P1	138N	1	1
AA148	4	90056J14-F6	138N	56J15-L2	138N	1	1
AA149	4	90056J14-G6	138N	56J15-N2	138N	1	1
AA150R	4	90056J14-R1	138N	56J15-R5	138N	2	2
AA150W	4	90056J14-S1	138N	56J15-S5	138N	2	2
AA151	4	90056J14-H5	138N	56J15-K3	138N	2	2
AA152	4	90056J14-S6	138N	56J15-S2	138N	2	1
AA153	4	90056J14-R6	138N	56J15-R2	138N	2	1
AA154R	4	140056J14-R4	138N	56J17-S5	138N	2	1
AA154W	4	140056J14-S4	138N	56J17-T5	138N	2	1
AA155K	3	180056J15-B2	88N	56TB1-B 7	138N	1	1
AA155L	3	180056J15-B1	88N	56TB1-C 7	138N	1	1
AA155R	3	180056J15-A2	88N	56TB1-B 8	138N	1	1
AA155W	3	180056J15-A1	88N	56TB1-C 8	138N	1	1
AA156	4	150056J15-R1	138N	56TB2-C 2	138N	1	1
THE STD CONDUCTOR TERMINATION FIGURES ARE PER ES-486. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.						CODE IDENT NO. 99974 SIZE A 1014608	
						SCALE - NONE REV LTR D SHEET 19	

MIL 2078 3-63 WIR-NO1

WIRE LIST AA

CONDUCTOR		FROM		TO		W-W	
NUMBER	ITEM NO.	CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		FR	TD
		STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT		
AA157R	4	210056J15-R2	138N	56J21-101	10N	2	1
AA157W	4	210056J15-P1	138N	56J21-102	10N	2	1
AA158	4	60056J15-L5	138N	56E 35	20N	1	
AA159	4	60056J15-L5	138N	56E 36	20N	2	
AA160	4	60056J15-L5	138N	56E 37	20N	3	
AA161L	3	150056J15-D1	88N	56TB2-C 5	138N	1	1
AA161R	3	150056J15-C1	88N	56TB2-A 5	138N	1	1
AA161W	3	150056J15-C2	88N	56TB2-B 5	138N	1	1
AA162L	3	150056J15-F2	88N	56TB2-C 6	138N	1	1
AA162R	3	150056J15-D2	88N	56TB2-A 6	138N	1	1
AA162W	3	150056J15-F1	88N	56TB2-B 6	138N	1	1
AA163L	3	150056J15-C3	88N	56TB2-C 4	138N	1	1
AA163R	3	150056J15-D3	88N	56TB2-A 4	138N	1	1
AA163W	3	150056J15-D4	88N	56TB2-B 4	138N	1	1
AA164	3	60056J15-A5	88N	56E 38	20N	2	
AA165	3	60056J15-A7	88N	56E 40	20N	3	
AA166	3	60056J15-A9	88N	56E 42	20N	3	
THE STD CONDUCTOR TERMINATION FIGURES ARE PER ES-486. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.						CODE IDENT NO. 99974 SIZE A 1014608	
						SCALE - NONE REV LTR D SHEET 20	

MIL 2078 3-63 WIR-NO1

WIRE LIST AA

CONDUCTOR		FROM		TO		W-W	
NUMBER	ITEM NO.	CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		FR	TD
		STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT		
AA167	3	60056J15-A5	88N	56E 39	20N	3	
AA168	3	60056J15-A7	88N	56E 41	20N	2	
AA169	3	60056J15-A9	88N	56E 43	20N	2	
AA170	4	150056J15-H4	138N	56TB2-C 1	138N	2	1
AA171L	3	150056J15-F7	88N	56TB2-C 8	138N	1	1
AA171R	3	150056J15-D7	88N	56TB2-B 8	138N	1	1
AA171W	3	150056J15-D8	88N	56TB2-A 8	138N	1	1
AA172L	3	150056J15-D9	88N	56TB2-C 7	138N	1	1
AA172R	3	150056J15-F9	88N	56TB2-B 7	138N	1	1
AA172W	3	150056J15-F8	88N	56TB2-A 7	138N	1	1
AA173	4	150056J15-S1	138N	56TB2-B 2	138N	2	1
AA174	4	150056J15-S3	138N	56TB2-B 1	138N	1	1
AA175	4	210056J15-S3	138N	56J22-227	10N	2	1
AA176	3	1500	250 229 11	SHLD AA176	20N	1	
AA176L	4	60056TB2-D 3	138N	56TB2-D 2	138N	1	1
AA176L		56J15-B3	88N				
AA176R		56E 59	20N	56TB2-F 3	138N	2	
THE STD CONDUCTOR TERMINATION FIGURES ARE PER ES-486. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.						CODE IDENT NO. 99974 SIZE A 1014608	
						SCALE - NONE REV LTR D SHEET 21	

MIL 2078 3-63 WIR-NO1

WIRE LIST AA

CONDUCTOR		FROM		TO		W-W	
NUMBER	ITEM NO.	CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		FR	TD
		STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT		
AA177	4	150056J15-R6	138N	56TB2-D 1	138N	1	1
AA178	4	180056J15-H5	138N	56J20-H4	138N	1	1
AA179	4	180056J15-S2	138N	56J20-K1	138N	2	1
AA180R	3	90056J15-A4	88N	56J16-B2	88N	1	1
AA180W	3	90056J15-A5	88N	56J16-B1	88N	1	1
AA181R	3	90056J15-A6	88N	56J16-B4	88N	1	1
AA181W	3	90056J15-A7	88N	56J16-B3	88N	1	1
AA182R	3	90056J15-A8	88N	56J16-B6	88N	1	1
AA182W	3	90056J15-A9	88N	56J16-B5	88N	1	1
AA183	4	90056J15-S1	138N	56J16-L2	138N	1	1
AA184	4	90056J15-H4	138N	56J16-L1	138N	1	1
AA185R	4	90056J15-P5	138N	56J16-S3	138N	1	1
AA185W	4	90056J15-P6	138N	56J16-S4	138N	1	1
AA186	4	90056J15-S6	138N	56J16-S2	138N	1	1
AA187	4	90056J15-K3	138N	56J16-N4	138N	1	1
AA188R	4	110056J15-R5	138N	56J17-L4	138N	1	1
AA188W	4	110056J15-S5	138N	56J17-L5	138N	1	1
THE STD CONDUCTOR TERMINATION FIGURES ARE PER ES-486. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.						CODE IDENT NO. 99974 SIZE A 1014608	
						SCALE - NONE REV LTR D SHEET 22	

MIL 2078 3-63 WIR-NO1

CONDUCTOR		FROM		TO	
INDIVIDUAL LENGTH	ITEM NO.	CUT WIRE OR SHIELD	TERMINATION	CUT WIRE OR SHIELD	TERMINATION
NUMBER	NO.	STRIP WIRE OR JACKET	SPEC. NO.	STRIP WIRE OR JACKET	SPEC. NO.
1	2	3	4	5	6
91	1	425A4J5-17	20N	38A4J10-10	20N
92	7	325A4J11-5	25Y	165A4J10-6	25Y
93	1	300A4J11-8	20N	168A4J10-8	20N
94	1	325A4J4-8	20N	29A4J3-7	20N
95	1	475A4J4-11	20N	26A4J3-20	20N
96	1	400A4J4-10	20N	27A4J3-17	20N
97	1	250A4J3-2	20N	20A4J9-1	20N
98	1	225A4J3-8	20N	16A4J9-6	20N
99	1	300A4J3-9	20N	15A4J9-13	20N
100	7	300A4J2-5	25Y	6A4J8-10	25Y
101	1	300A4J2-7	20N	4A4J9-20	20N
102	1	275A4J2-8	20N	3A4J8-9	20N
103	1	325A4J9-9	20N	192A4J8-2	20N
104	1	325A4J9-10	20N	193A4J8-3	20N
105	1	325A4J9-19	20N	200A4J2-9	20N
106	7	450A4J9-7	25Y	190A4J8-11	25Y
107	1	300A4J3-11	20N	213A4J3-10	20N
108	1	650A4J1-21	12N	214A4J2-6	20N
<div> <div>1</div> <div>2</div> </div> <div> <div>THE STD CONDUCTOR TERMINATION FIGURES ARE PER</div> <div>DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.</div> </div> <div> <div>MANNED SPACECRAFT CENTER HOUSTON, TEXAS</div> <div>SCALE: NONE</div> </div> <div> <div>SIZE A</div> <div>REV LTR</div> </div> <div> <div>1015736</div> <div>8 G</div> </div> <div> <div>SHEET 10 OF 14</div> </div>					

CONDUCTOR		FROM		TO	
INDIVIDUAL LENGTH	ITEM NO.	CUT WIRE OR SHIELD	TERMINATION	CUT WIRE OR SHIELD	TERMINATION
NUMBER	NO.	STRIP WIRE OR JACKET	SPEC. NO.	STRIP WIRE OR JACKET	SPEC. NO.
1	2	3	4	5	6
109	1	650A4J1-20	12N	214A4J2-4	20N
110	1	1200A4J1-2	12N	214A4J4-7	20N
111	6	220A4J1-1	12N	214A4A2	20N
112	1	1550A4J1-25	12N	214A4J5-8	20N
113	1	1650A4J1-33	12N	214A4J5-9	20N
114	1	1650A4J1-36	12N	214A4J6-6	20N
115	1	1600A4J1-35	12N	214A4J6-4	20N
116	1	1950A4J1-26	12N	214A4J7-8	20N
117	1	2000A4J1-34	12N	214A4J7-5	20N
118	1	1900A4J1-32	12N	214A4J13-5	20N
119	1	1850A4J1-24	12N	214A4J13-8	20N
120	1	1550A4J1-19	12N	214A4J12-7	20N
121	1	1550A4J1-11	12N	214A4J12-11	20N
122	1	1350A4J1-27	12N	214A4J11-4	20N
123	1	1350A4J1-28	12N	214A4J11-6	20N
124	1	1050A4J1-31	12N	214A4J9-5	20N
125	1	1200A4J1-18	12N	214A4J10-7	20N
126	1	1200A4J1-10	12N	214A4J10-11	20N
<div> <div>1</div> <div>2</div> </div> <div> <div>THE STD CONDUCTOR TERMINATION FIGURES ARE PER</div> <div>DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.</div> </div> <div> <div>MANNED SPACECRAFT CENTER HOUSTON, TEXAS</div> <div>SCALE: NONE</div> </div> <div> <div>SIZE A</div> <div>REV LTR</div> </div> <div> <div>1015736</div> <div>8 G</div> </div> <div> <div>SHEET 11 OF 14</div> </div>					

CONDUCTOR		FROM		TO	
INDIVIDUAL LENGTH	ITEM NO.	CUT WIRE OR SHIELD	TERMINATION	CUT WIRE OR SHIELD	TERMINATION
NUMBER	NO.	STRIP WIRE OR JACKET	SPEC. NO.	STRIP WIRE OR JACKET	SPEC. NO.
1	2	3	4	5	6
127	1	1050A4J1-23	12N	214A4J9-8	20N
128	1	700A4J1-9	12N	214A4J8-5	20N
129	1	650A4J1-17	12N	214A4J8-8	20N
130	6	220A4J1-29	12N	214A4A2	20N
131	6	220A4J1-38	12N	214A4A2	20N
132	7	525A4J9-7	25Y	189A4J2-10	25Y
133	7	275A4J2-2	25Y	9A4J8-10	25Y
<div> <div>1</div> <div>2</div> </div> <div> <div>THE STD CONDUCTOR TERMINATION FIGURES ARE PER</div> <div>DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.</div> </div> <div> <div>MANNED SPACECRAFT CENTER HOUSTON, TEXAS</div> <div>SCALE: NONE</div> </div> <div> <div>SIZE A</div> <div>REV LTR</div> </div> <div> <div>1015736</div> <div>8 G</div> </div> <div> <div>SHEET 12 OF 14</div> </div>					

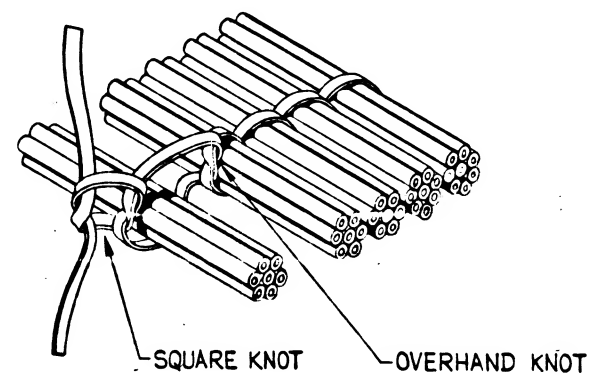
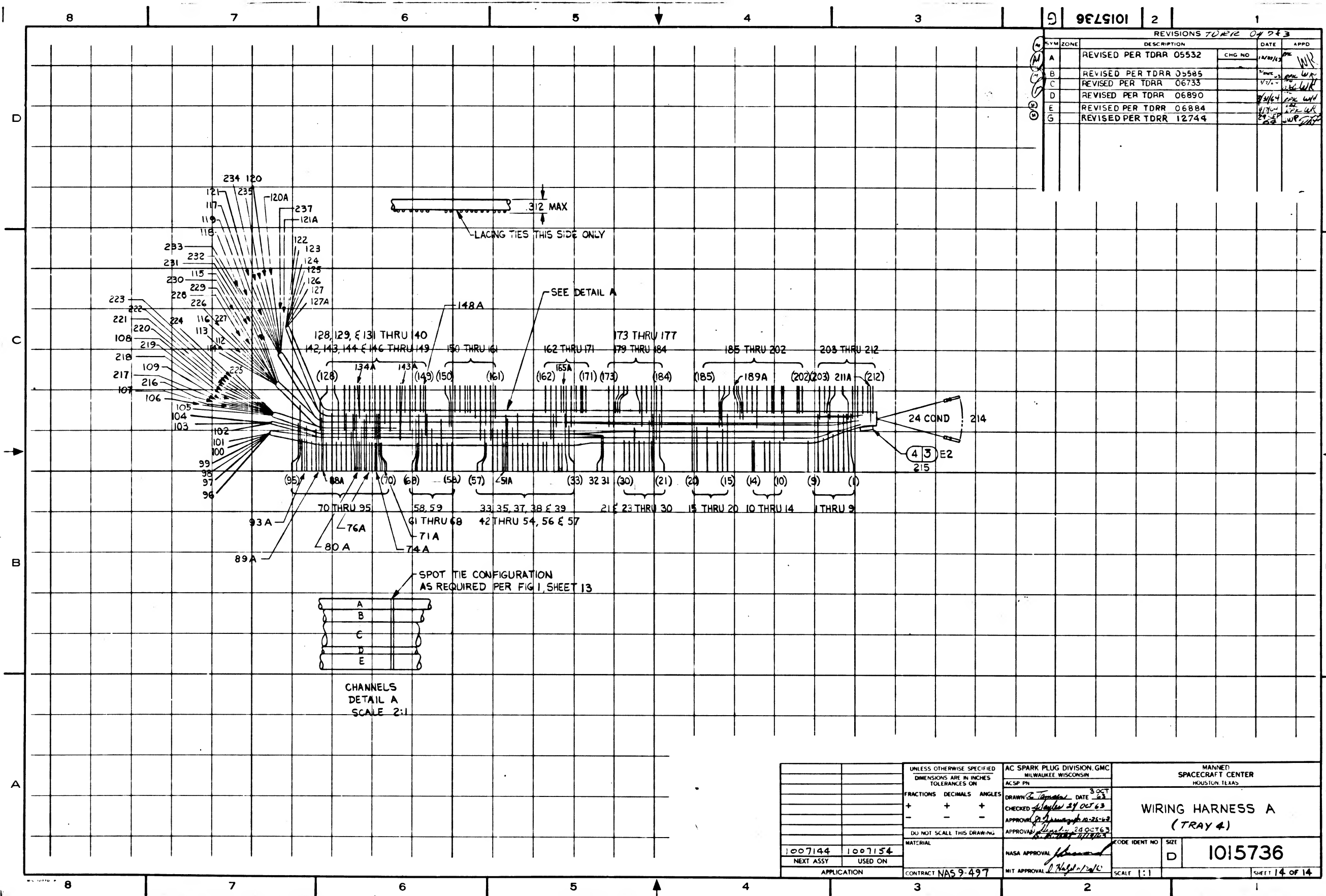


FIGURE 1
MULTIPLE SPOT TIE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	1015736
	A	
SCALE - NONE	REV LTR E	SHEET 13 OF 14



REVISIONS TO 0423				
SYM	ZONE	DESCRIPTION	CHG NO	DATE
A		REVISED PER TDRR 05532		11/10/63
B		REVISED PER TDRR 05585		11/10/63
C		REVISED PER TDRR 06733		11/10/63
D		REVISED PER TDRR 06890		11/10/63
E		REVISED PER TDRR 06884		11/10/63
G		REVISED PER TDRR 12744		11/10/63

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
FRACTIONS	DECIMALS	ANGLES	DRAWN <i>E. Taylor</i>	DATE <i>3 OCT 63</i>	
+	+	+	CHECKED <i>E. Taylor</i>	DATE <i>29 OCT 63</i>	
-	-	-	APPROVED <i>E. Taylor</i>	DATE <i>29 OCT 63</i>	
DO NOT SCALE THIS DRAWING			NASA APPROVAL <i>E. Taylor</i>		
MATERIAL			MIT APPROVAL <i>E. Taylor</i>		
1007144	1007154		CODE IDENT NO		SIZE
NEXT ASSY	USED ON		D		1015736
APPLICATION		CONTRACT NAS 9-497		SCALE 1:1	
				SHEET 14 OF 14	

APPLICATION		REVISIONS TO 04-22 04253											
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL								
1007149	1007154	A	REVISED PER TDDR 05532	12/17/63	WKL								
		B	REVISED, TDDR 05585	12/16/63	WKL								
		C	REVISED PER TDDR 06733	7/26/64	WKL								
		D	REVISED PER TDDR 06890	3/14/64	WKL								
		E	REVISED PER TDDR 06884	4/16/64	WKL								
		F	REVISED PER TDDR 12756	8/30/64	WKL								
		G	REVISED PER TDDR 12744	8/30/64	WKL								
		H	REPLACED WITH CHANGE BY REVJ PER TDDR 19781	7 JUN 65	WKL								

(H) REPLACED WITH CHANGE BY REV J

REV	1	2	3	4	5	6	7	8	9	10	11	12	13	14
SHEET														
REV STATUS	H	E	G	G	G	G	G	G	E	G	E	G		
OF SHEETS	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP FN

DRAWN BY: [Signature] DATE: 7 OCT 63
CHECKED BY: [Signature] DATE: 24 OCT 63
APPROVAL BY: [Signature] DATE: 10/21/63
APPROVAL BY: [Signature] DATE: 10/21/63

NASA APPROVAL [Signature]
MIT APPROVAL [Signature] DATE: 11/12/62

CONTRACT NAS 9-497

WIRING HARNESS A
(TRAY 4)

SPACECRAFT CENTER
HOUSTON, TEXAS

MANAGED

CODE IDENT NO. SIZE A

REV H

1015736

SHEET 1 OF 14

NOTE		GENERAL NOTES	
NUMBER	DESCRIPTION		
1	NOT APPLICABLE		
2	DELETED		
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.		
4	MARK CONDUCTOR IDENTIFICATION PER ND1002019.		
5	SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.		
6	SPIRALLING OF THE MARKING IS ALLOWED.		
7	LACE HARNESS USING ITEM 5		
8	IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).		
9	DELETED		
10	GRID MODULE IS 1 INCH.		
11	UNLESS OTHERWISE SPECIFIED --- FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH. END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.		
12	BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.		
13	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.		
14	IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY		
15	INSTALL ITEM 2 PER ND1002066		

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE-NONE	REV LTR	J
		SHEET 2 OF 18

NOTE		GENERAL NOTES	
NUMBER	DESCRIPTION		
16	INSTALL ITEMS 3 AND 4 PER ND		
TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---			
APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.		TOLERANCE	
		WIRE	STRIP JACKET WIRE CUT SHIELD
UNDER 1 INCH		+ .03- .00	+ .06- .06 + .06- .06 + .06- .06
1 INCH TO 6 INCHES		+ .06- .00	+ .25- .25 + .25- .25 + .25- .25
6 INCHES TO 6 FEET			+ .50- .50 + .50- .50 + .50- .50
OVER 6 FEET			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE-NONE	REV LTR	J
		SHEET 3 OF 18

APPLICATION		REVISIONS TDRR 04183		SYN		DATE		APPROVAL	
NEXT ASSY	USED ON	DESCRIPTION	DATE	SYN	DATE	SYN	DATE	SYN	DATE
1007144	1007154	REPLACES REV H WITH CHANGE PER TDRR 1976	11 MAY 65	J		MTY			

REPLACES REV (H) WITH CHANGE

REV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SHEET																		

WIRING HARNESS A
(TRAY 4)

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. TAMSEN DATE 7-0-65

CHECKED J. SAYLES 24 OCT 65

APPROVAL E. SNEDECOR 25 OCT 65

APPROVAL A. B. F. 4/1/65

NASA APPROVAL 10/10/65

MIT APPROVAL 10/10/65

CONTRACT

CODE IDENT NO.	SIZE	REV
	A	J
1015736		
SCALE		SHEET 1 OF 18

SEE NOTE		LIST OF MATERIALS	
NUMBER	ITEM	QTY	DESCRIPTION
13	1	AR	1010639- 2 WIRE, 83 FT 0.5 IN TOTAL LENGTH
13	2	24	1010738- 6 CONTACT, ELEC
13	3	1	1010476-168 INSULATION, SLEEVING, ELEC, HEAT SHRINK
13	4	1	1010711- 1 SPLICE REDUCER
13	5	AR	MIL-T-713 LACING TAPE, TYPE P, CLASS 2, BLACK (ES-2732 NO. 18)
	6	AR	MIL-W-16878/18-24-19 STND WHT WIRE
	7	AR	MIL-W-16878/18-20-19 STND WHT WIRE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE-NONE	REV LTR	J
		SHEET 4 OF 18

WIRING HARNESS A											1015736	
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1	3.40	45A4P1-D6 45A4J7-1	109 95				.20 NO .20 NO				
A 2	1	4.20	45A4P1-F3 45A4J7-4	218 92				.20 NO .20 NO				
A 3	1	2.00	45A4P1-D5 45A4J7-6	217 90				.20 NO .20 NO				
A 4	1	3.00	45A4P1-C6 45A4J7-10	101 85				.20 NO .20 NO				
A 5	1	3.40	45A4P1-C5 45A4J7-11	100 84				.20 NO .20 NO				
A 6	1	5.20	45A4P1-G3 45A4J7-13	222 82				.20 NO .20 NO				
A 7	1	4.30	45A4P1-K4 45A4J7-2	228 94				.20 NO .20 NO				
A 8	7	5.60	45A4P1-R2 45A4J7-7	235 88				.25 YES .25 YES				
A 9	1	8.70	45A4P1-D4 45A4J5-1	216 57				.20 NO .20 NO				
A 10	1	7.80	45A4P1-F4 45A4J5-4	219 54				.20 NO .20 NO				
A 11	1	8.80	45A4P1-D3 45A4J5-6	107 52				.20 NO .20 NO				
A 12	1	7.80	45A4P1-C4 45A4J5-10	99 47				.20 NO .20 NO				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR	J
SHEET		5 OF 18

MIL 2084 4-63

MIL 2084 4-63

WIRING HARNESS A											1015736	J	
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT FROM TO	PT (A) (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1	8.20	45A4P1-C3 45A4J5-11	98 46				.20 NO .20 NO				
A	14	1	9.80	45A4P1-G4 45A4J5-13	223 44				.20 NO .20 NO				
A	15	1	6.00	45A4P1-S6 45A4J7-14	127 81				.20 NO .20 NO				
A	16	1	6.80	45A4P1-H4 45A4J7-15	112 78				.20 NO .20 NO				
A	17	1	6.00	45A4P1-R6 45A4J7-16	237 77				.20 NO .20 NO				
A	18	1	7.20	45A4P1-S3 45A4J7-18	124 73				.20 NO .20 NO				
A	19	1	6.60	45A4P1-S2 45A4J7-19	123 72				.20 NO .20 NO				
A	20	1	7.40	45A4P1-S5 45A4J6-3	126 66				.20 NO .20 NO				
A	21	1	11.50	45A4P1-A1 45A4J4-1	104 32				.20 NO .20 NO				
A	22	1	11.10	45A4P1-A2 45A4J4-2	103 31				.20 NO .20 NO				
A	23	1	13.00	45A4P1-P6 45A4J4-12	121 25				.20 NO .20 NO				
A	24	1	12.00	45A4P1-H6 45A4J4-9	116 28				.20 NO .20 NO				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR J	SHEET 6 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1	14.20	45A4P1-K3 45A4J3-3	227 19				.20 NO .20 NO				
A 26	1	14.20	45A4P1-H3 45A4J3-5	113 18				.20 NO .20 NO				
A 27	1	17.80	45A4P1-S4 45A4J2-3	125 8				.20 NO .20 NO				
A 28	7	3.50	45A4J12-6 45A4J6-2	155 68				.25 YES .25 YES				A
A 29			DELETED									
A 30	1	16.70	45A4P1-P3 45A4J8-7	117 208				.20 NO .20 NO				
A 31	7	15.50	45A4P1-R1 45A4J9-7	234 189				.25 YES .25 YES				
A 32	1	16.60	45A4P1-P2 45A4J8-4	119 206				.20 NO .20 NO				
A 33	1	17.00	45A4P1-P1 45A4J8-1	118 203				.20 NO .20 NO				
A 34	1	16.50	45A4P1-S1 45A4J9-19	122 201				.20 NO .20 NO				
A 35	1	15.00	45A4P1-G6 45A4J9-11	225 194				.20 NO .20 NO				
A 36	1	13.50	45A4P1-F6 45A4J9-4	220 186				.20 NO .20 NO				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR	J
SHEET		7 OF 18

MIL 2084 4-63

WIRING HARNESS A											1015736	J
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1	12.70	45A4P1-M3 45A4J10-9	231 182				.20 NO .20 NO				
A 38	1	11.80	45A4P1-M2 45A4J10-2	115 174				.20 NO .20 NO				
A 39	1	12.00	45A4P1-M1 45A4J10-1	230 173				.20 NO .20 NO				
A 40	1	8.00	45A4P1-N6 45A4J12-9	233 159				.20 NO .20 NO				
A 41	1	7.00	45A4P1-M6 45A4J12-2	232 151				.20 NO .20 NO				
A 42	1	8.00	45A4P1-L6 45A4J12-1	229 150				.20 NO .20 NO				
A 43	1	4.00	45A4P1-A6 45A4J13-20	102 149				.20 NO .20 NO				
A 44	1	8.00	45A4P1-G1 45A4J13-17	221 146				.20 NO .20 NO				
A 45	1	6.40	45A4P1-G5 45A4J13-13	224 140				.20 NO .20 NO				
A 46	1	7.00	45A4P1-K1 45A4J13-12	226 139				.20 NO .20 NO				
A 47	1	6.00	45A4P1-C1 45A4J13-11	96 138				.20 NO .20 NO				
A 48	1	5.60	45A4P1-C2 45A4J13-10	97 137				.20 NO .20 NO				
MANNED SPACECRAFT CENTER HOUSTON, TEXAS										SIZE A	1015736	
SCALE - NONE										REV LTR	J	SHEET 8 OF 18

MIL 2084 4-63

WIRING HARNESS A											1015736	
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1	7.00	45A4P1-H1 45A4J13-9	114 136				.20 NO .20 NO				
A 50	1	5.60	45A4P1-D1 45A4J13-6	105A 133				.20 NO .20 NO				
A 51	1	4.90	45A4P1-F5 45A4J13-4	108 131				.20 NO .20 NO				
A 52	1	6.00	45A4P1-D2 45A4J13-1	106 128				.20 NO .20 NO				
A 53	7	20.90	45A4P1-R2 45A4J13-7	120 134A				.25 YES .25 YES				B
A 54	1	3.00	45A4J7-3 45A4J13-2	93 129				.20 NO .20 NO				E
A 55	7	5.90	45A4J7-7 45A4J12-5	88A 154				.25 YES .25 YES				A
A 56	7	5.00	45A4J5-7 45A4J11-10	51 171				.25 YES .25 YES				A
A 57	1	6.20	45A4J5-7 45A4J10-5	51A 177				.25 YES .25 YES				E
A 58	7	5.00	45A4J6-10 45A4J7-7	58 89A				.25 YES .25 YES				E
A 59	1	6.50	45A4J5-2 45A4J7-3	56 93A				.20 NO .20 NO				E
A 60	7	8.50	45A4P1-R2 45A4J5-7	120A 50				.25 YES .25 YES				B

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR J	SHEET 9 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	J
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS	
A 61	1	3.00	45A4E-2 45A4J13-7	215 134				.20 NO .20 NO				B	
A 62	1	2.75	45A4J7-14 45A4J13-14	80 142				.20 NO .20 NO				A	
A 63	1	15.00	45A4P1-S6 45A4J9-14	127A 196				.20 NO .20 NO				A	
A 64	1	4.75	45A4J9-14 45A4J4-15	197 21				.20 NO .20 NO				A	
A 65	1	6.20	45A4J7-14 45A4J5-14	80A 43				.20 NO .20 NO				E	
A 66	1	6.00	45A4J7-15 45A4J13-15	79 143A				.20 NO .20 NO				E	
A 67	1	6.25	45A4J5-15 45A4J13-15	42 143				.20 NO .20 NO				E	
A 68	1	2.75	45A4J7-16 45A4J13-16	76 144				.20 NO .20 NO				A	
A 69	1	13.75	45A4P1-R6 45A4J4-13	121A 24				.20 NO .20 NO				B	
A 70	1	5.00	45A4J4-13 45A4J9-16	23 198				.20 NO .20 NO				A	
A 71	1	2.75	45A4J9-16 45A4J3-14	199 13				.20 NO .20 NO				E	
A 72	1	1.75	45A4J3-14 45A4J3-18	14 11				.20 NO .20 NO				E	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR	J
		SHEET 10 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	PT (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1	6.20	45A4J5-16 45A4J7-16		39 76A				.20 NO .20 NO				E
A 74	1	4.75	45A4J7-17 45A4J12-10		75 160				.20 NO .20 NO				E
A 75	1	5.75	45A4J7-18 45A4J5-18		74 37				.20 NO .20 NO				E
A 76	1	3.00	45A4J7-18 45A4J13-18		74A 147				.20 NO .20 NO				A
A 77	1	2.75	45A4J7-19 45A4J6-9		71 59				.20 NO .20 NO				E
A 78	1	3.50	45A4J7-19 45A4J13-19		71A 148A				.20 NO .20 NO				A
A 79	1	2.25	45A4J5-19 45A4J11-9		35 169				.20 NO .20 NO				A
A 80	1	5.25	45A4J11-9 45A4J13-19		170 148				.20 NO .20 NO				A
A 81	1	5.00	45A4J7-9 45A4J12-3		86 152				.20 NO .20 NO				A
A 82	1	4.75	45A4J7-12 45A4J12-4		83 153				.20 NO .20 NO				A
A 83	1	2.50	45A4J7-20 45A4J6-7		70 62				.20 NO .20 NO				E
A 84	1	4.25	45A4J6-3 45A4J11-3		67 163				.20 NO .20 NO				E

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR	J
SHEET		11 OF 18

MIL 2084 4-63

WIRING HARNESS A											1015736	J
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	7	1.25	45A4J10-6 45A4J11-2	165A 162				.25 YES .25 YES				A
A 86	7	3.00	45A4J6-5 45A4J12-6	64 156				.25 YES .25 YES				A
A 87	1	3.00	45A4J6-8 45A4J12-8	61 158				.20 NO .20 NO				E
A 88	1	2.25	45A4J5-20 45A4J11-7	33 167				.20 NO .20 NO				C
A 89	1	4.50	45A4J5-9 45A4J10-3	48 175				.20 NO .20 NO				A
A 90	1	4.25	45A4J5-12 45A4J10-4	45 176				.20 NO .20 NO				A
A 91	1	4.25	45A4J5-17 45A4J10-10	38 183				.20 NO .20 NO				E
A 92	7	3.25	45A4J11-5 45A4J10-6	165 179				.25 YES .25 YES				A
A 93	1	3.00	45A4J11-8 45A4J10-8	168 181				.20 NO .20 NO				A
A 94	1	3.25	45A4J4-8 45A4J3-7	29 17				.20 NO .20 NO				E
A 95	1	4.75	45A4J4-11 45A4J3-20	26 10				.20 NO .20 NO				E
A 96	1	4.00	45A4J4-10 45A4J3-17	27 12				.20 NO .20 NO				E

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015736
SCALE - NONE	REV LTR J	SHEET 12 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS		
A 97	1	2.50	45A4J3-2 45A4J9-1	20 185				.20 NO .20 NO			A		
A 98	1	2.25	45A4J3-8 45A4J9-6	16 188				.20 NO .20 NO			C		
A 99	1	3.00	45A4J3-9 45A4J9-13	15 195				.20 NO .20 NO			A		
A 100	7	3.00	45A4J2-5 45A4J8-10	6 211				.25 YES .25 YES			A		
A 101	1	3.00	45A4J2-7 45A4J9-20	4 202				.20 NO .20 NO			A		
A 102	1	2.75	45A4J2-8 45A4J8-9	3 210				.20 NO .20 NO			A		
A 103	1	3.25	45A4J9-6 45A4J8-2	192 204				.20 NO .20 NO			A		
A 104	1	3.25	45A4J9-10 45A4J8-3	193 205				.20 NO .20 NO			A		
A 105	1	3.25	45A4J9-19 45A4J2-9	200 2				.20 NO .20 NO			A		
A 106	7	4.50	45A4J9-7 45A4J8-11	190 212				.25 YES .25 YES			A		
A 107			DELETED								A		
A 108	1	6.50	45A4J1-21 45A4J2-6	214 5				.12 NO .20 NO		2	E		
MANNED SPACECRAFT CENTER HOUSTON, TEXAS												1015736	
SCALE - NONE												REV LTR	J
												SHEET	13 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	J
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS		
A 109	1	6.50	45A4J1-20 45A4J2-4	214 7				.12 NO .20 NO		2	E		
A 110	1	12.00	45A4J1-2 45A4J4-7	214 30				.12 NO .20 NO		2	E		
A 111	6	2.20	45A4J1-1 45A4E2	214 215				.12 NO .20 NO		2			
A 112	1	15.50	45A4J1-25 45A4J5-8	214 49				.12 NO .20 NO		2	C		
A 113	1	16.50	45A4J1-33 45A4J5-5	214 53				.12 NO .20 NO		2	C		
A 114	1	16.50	45A4J1-36 45A4J6-6	214 63				.12 NO .20 NO		2	C		
A 115	1	16.00	45A4J1-35 45A4J6-4	214 65				.12 NO .20 NO		2	C		
A 116	1	19.50	45A4J1-26 45A4J7-8	214 87				.12 NO .20 NO		2	E		
A 117	1	20.00	45A4J1-34 45A4J7-5	214 91				.12 NO .20 NO		2	E		
A 118	1	19.00	45A4J1-32 45A4J13-5	214 132				.12 NO .20 NO		2	A		
A 119	1	18.50	45A4J1-24 45A4J13-8	214 135				.12 NO .20 NO		2	A		
A 120	1	15.50	45A4J1-19 45A4J12-7	214 157				.12 NO .20 NO		2	B		
MANNED SPACECRAFT CENTER HOUSTON, TEXAS												1015736	
SCALE - NONE												REV LTR	J
												SHEET	14 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	J
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS		
A 133	7	2.75	45A4J2-2 45A4J8-10	9 211A				.25 YES .25 YES			E		
MANNED SPACECRAFT CENTER HOUSTON, TEXAS												1015736	
SCALE - NONE												REV LTR	J
												SHEET	16 OF 18

MIL 2084 4-63

WIRING HARNESS A												1015736	J
LEAD IDENT	WIRE MATL	LEAD LG	CIRCUIT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS		
A 121	1	15.50	45A4J1-11 45A4J12-11	214 161				.12 NO .20 NO		2	B		
A 122	1	13.50	45A4J1-27 45A4J11-4	214 164				.12 NO .20 NO		2	C		
A 123	1	13.50	45A4J1-28 45A4J11-6	214 166				.12 NO .20 NO		2	C		
A 124	1	10.50	45A4J1-31 45A4J9-5	214 187				.12 NO .20 NO		2	B		
A 125	1	12.00	45A4J1-18 45A4J10-7	214 180				.12 NO .20 NO		2	C		
A 126	1	12.00	45A4J1-10 45A4J10-11	214 184				.12 NO .20 NO		2	C		
A 127	1	10.50	45A4J1-23 45A4J9-8	214 191				.12 NO .20 NO		2	B		
A 128	1	7.00	45A4J1-9 45A4J8-5	214 207				.12 NO .20 NO		2	B		
A 129	1	6.50	45A4J1-17 45A4J8-8	214 209				.12 NO .20 NO		2	B		
A 130	6	2.20	45A4J1-29 45A4E2	214 215				.12 NO .20 NO		2			
A 131	6	2.20	45A4J1-38 45A4E2	214 215				.12 NO .20 NO		2			
A 132	7	5.25	45A4J9-7 45A4J2-10	189 1				.25 YES .25 YES			A		
MANNED SPACECRAFT CENTER HOUSTON, TEXAS												1015736	
SCALE - NONE												REV LTR	J
												SHEET	15 OF 18

MIL 2084 4-63

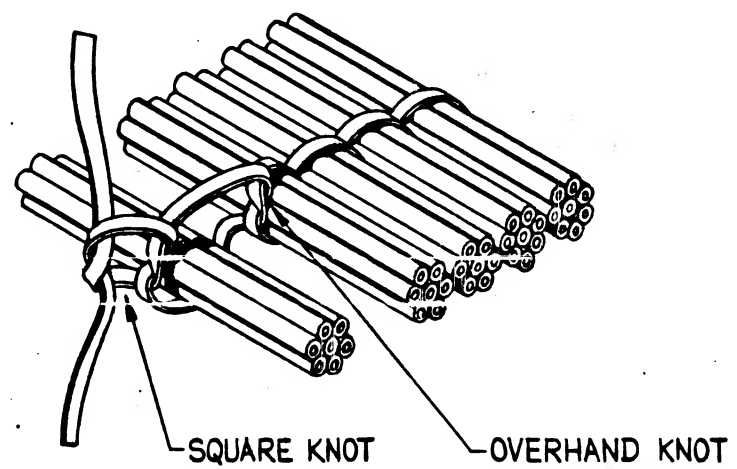
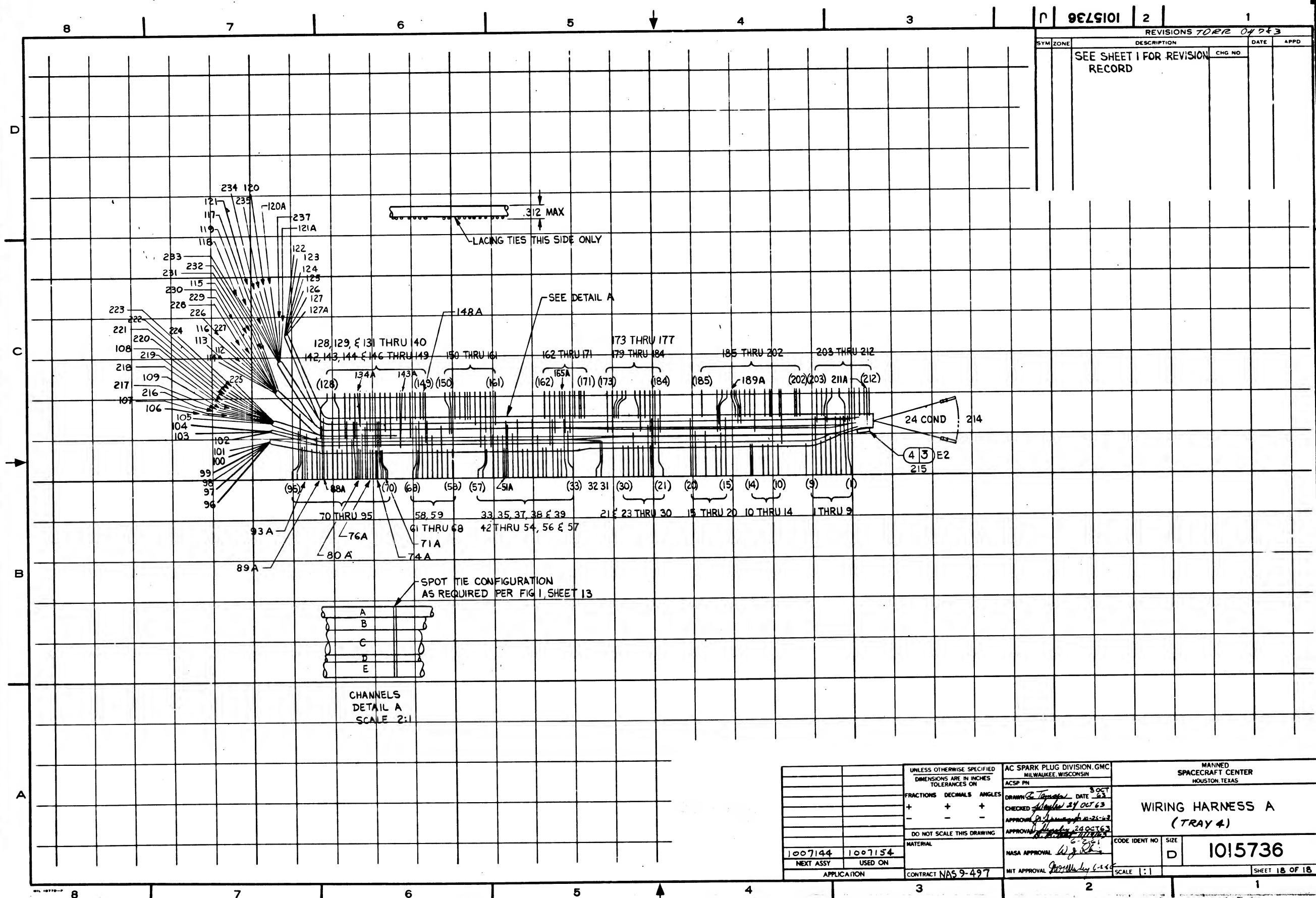


FIGURE 1
MULTIPLE SPOT TIE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	1015736
	A	
SCALE - NONE	REV LTR J	SHEET 17 OF 18

MIL 2054 4-83



GGA

WIRING HARNESS A

A

1015737

CONDUCTOR		FROM		TO		TERMINATION		CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		TERMINATION	
		ITEM NO.	INDIVIDUAL LENGTH	ITEM NO.	INDIVIDUAL LENGTH	SPEC.	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT	SPEC.	NO.
A 1	1	480	45A1P1-C 1	20N			26	45A1J7- 2	20N				39
A 2	1	610	45A1P1-C 2	20N			25	45A1J6- 2	20N				47
A 3	1	795	45A1P1-C 3	20N			24	45A1J5- 2	20N				55
A 4	1	340	45A1P1-B 1	20N			29	45A1J7- 9	20N				35
A 5	1	550	45A1P1-B 2	20N			28	45A1J6- 9	20N				43
A 6	1	690	45A1P1-B 3	20N			27	45A1J5- 9	20N				51
A 7	1	430	45A1P1-A 1	20N			32	45A1J7- 3	20N				38
A 8	1	410	45A1P1-A 2	20N			31	45A1J6- 3	20N				46
A 9	1	760	45A1P1-A 3	20N			30	45A1J5- 3	20N				54
A 10	1	630	45A1P1-H 6	20N			18	45A1J5-10	20N				49
A 11	1	940	45A1J5-10	20N			50	45A1J9- 1	20N				2
A 12	1	470	45A1P1-F 6	20N			21	45A1J6-10	20N				41
A 13	1	720	45A1J6-10	20N			42	45A1J10- 1	20N				8
A 14	1	300	45A1P1-D 6	20N			23	45A1J7-10	20N				33
A 15	1	480	45A1J7-10	20N			34	45A1J11- 1	20N				13
A 16	1	1090	45A1J9-23	20N			7	45A1J1-14	08N				59
A 17	1	1740	45A1J11-13	20N			16	45A1J1-23	08N				59
A 18	1	1380	45A1J10-13	20N			11	45A1J1-24	08N				59

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 208 - 235 WIR

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SCALE - NONE REV LTR A

1015737

SHEET 5 OF 8

GGA

WIRING HARNESS A

A

1015737

CONDUCTOR		FROM		TO		TERMINATION		CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		TERMINATION	
		ITEM NO.	INDIVIDUAL LENGTH	ITEM NO.	INDIVIDUAL LENGTH	SPEC.	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT	SPEC.	NO.
A 19	1	980	45A1J9-13	20N			5	45A1J1-31	08N				59
A 20	1	1800	45A1J11-18	20N			17	45A1J1- 7	08N				59
A 21	1	1600	45A1J10-18	20N			12	45A1J1- 6	08N				59
A 22	1	1020	45A1J9-18	20N			6	45A1J1-13	08N				59
A 23	1	340	45A1J11- 5	20N			15	45A1J7- 1	20N				40
A 24	1	575	45A1J10- 5	20N			10	45A1J6- 1	20N				48
A 25	1	810	45A1J9- 5	20N			4	45A1J5- 1	20N				56
A 26	1	880	45A1J9- 4	20N			3	45A1J1-10	08N				59
A 27	1	1290	45A1J10- 4	20N			9	45A1J1- 9	08N				59
A 28	1	1640	45A1J11- 4	20N			14	45A1J1- 2	08N				59
A 29	1	1590	45A1P1-F 3	20N			22	45A1J2-14	20N				58
A 30	1	1590	45A1P1-G 3	20N			19	45A1J2-15	20N				57
A 31	1	1870	45A1J7- 9	20N			36	45A1J1-21	08N				59
A 32	1	1690	45A1J6- 9	20N			44	45A1J1-28	08N				59
A 33	1	1500	45A1J5- 9	20N			52	45A1J1-36	08N				59
A 34	1	1850	45A1J7- 6	20N			37	45A1J1-20	08N				59
A 35	1	1680	45A1J6- 6	20N			45	45A1J1-27	08N				59
A 36	1	1480	45A1J5- 6	20N			53	45A1J1-35	08N				59

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 208 - 235 WIR

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SCALE - NONE REV LTR A

1015737

SHEET 6 OF 8

GGA

WIRING HARNESS A

A

1015737

CONDUCTOR		FROM		TO		TERMINATION		CUT WIRE OR SHIELD		CUT WIRE OR SHIELD		TERMINATION	
		ITEM NO.	INDIVIDUAL LENGTH	ITEM NO.	INDIVIDUAL LENGTH	SPEC.	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT	STRIP WIRE OR JACKET	CIRCUIT POINT	SPEC.	NO.
A 37	1	1460	45A1P1-G 2	20N			20	45A1E12	25N				1
A 38	1	500	45A1E12	25N			1	45A1J1- 1	08N				59
A 39	1	500	45A1E12	25N			1	45A1J1-37	08N				59
A 40	1	500	45A1E12	25N			1	45A1J1-38	08N				59

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

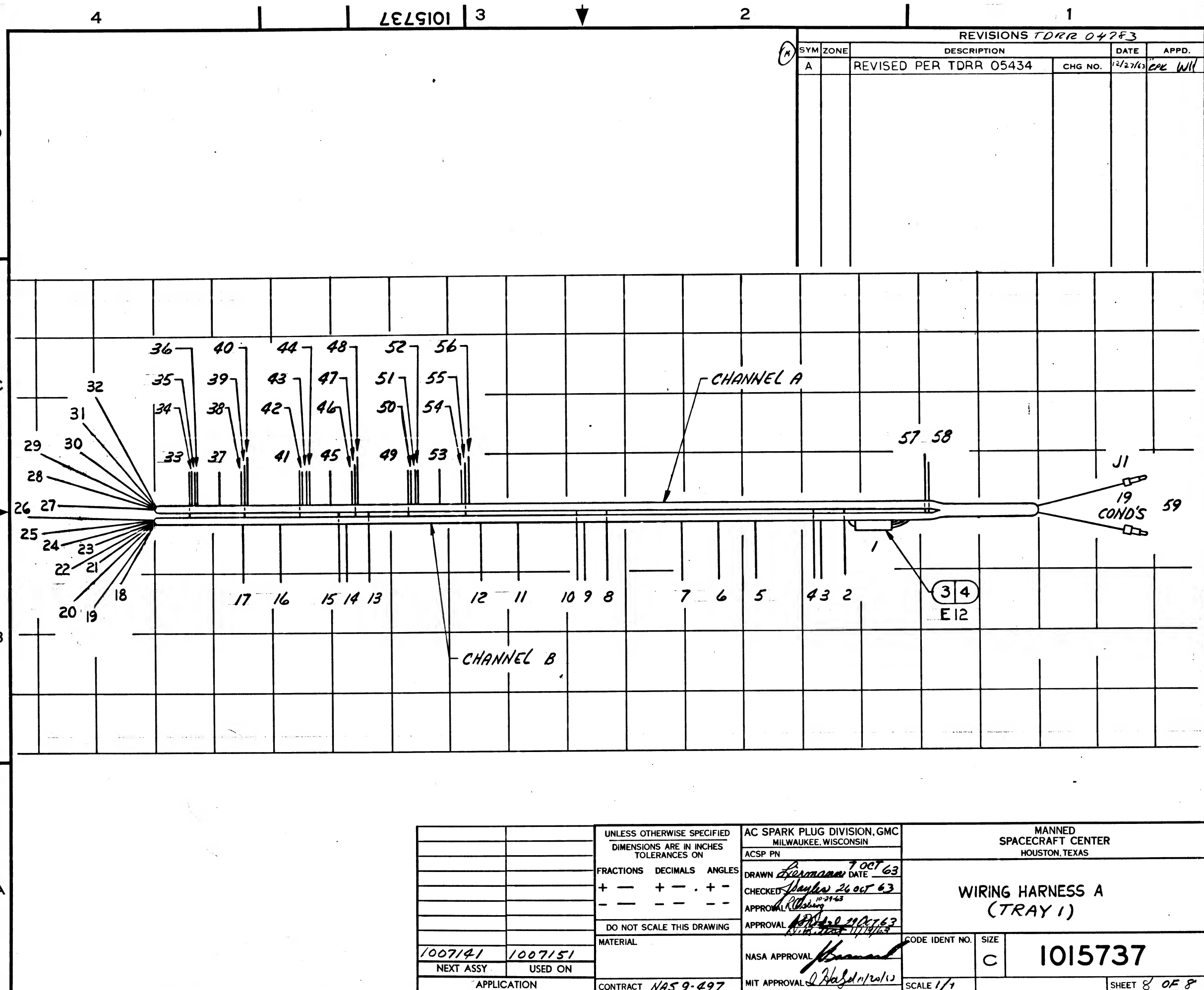
MIL 208 - 235 WIR

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SCALE - NONE REV LTR A

1015737

SHEET 7 OF 8



GGA WIRING HARNESS A 1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		TERMINATION SPEC. NO.	ITEM NO.	TERMINATION SPEC. NO.	ITEM NO.
	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3				
A 1	48045A1P1-C 1	20N	45A1J7- 2	20N	26			39
A 2	61045A1P1-C 2	20N	45A1J6- 2	20N	25			47
A 3	7945A1P1-C 3	20N	45A1J5- 2	20N	24			55
A 4	34045A1P1-B 1	20N	45A1J7- 9	20N	29			35
A 5	55045A1P1-B 2	20N	45A1J6- 9	20N	28			43
A 6	69045A1P1-B 3	20N	45A1J5- 9	20N	27			51
A 7	43045A1P1-A 1	20N	45A1J7- 3	20N	32			38
A 8	41045A1P1-A 2	20N	45A1J6- 3	20N	31			46
A 9	76045A1P1-A 3	20N	45A1J5- 3	20N	30			54
A 10	63045A1P1-H 6	20N	45A1J5-10	20N	18			49
A 11	94045A1J5-10	20N	45A1J9- 1	20N	50			2 A
A 12	47045A1P1-F 6	20N	45A1J6-10	20N	21			41
A 13	72045A1J6-10	20N	45A1J10- 1	20N	42			8 A
A 14	30045A1P1-D 6	20N	45A1J7-10	20N	23			33
A 15	48045A1J7-10	20N	45A1J11- 1	20N	34			13 A
A 16	109045A1J9-23	20N	45A1J1-14	8N	7			59 B
A 17	174045A1J11-13	20N	45A1J1-23	8N	16			59 B
A 18	138045A1J10-13	20N	45A1J1-24	8N	11			59 B

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

1015737

SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE
A

SCALE - NONE REV LTR 8

SHEET 5 OF 8

GGA WIRING HARNESS A 1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		TERMINATION SPEC. NO.	ITEM NO.	TERMINATION SPEC. NO.	ITEM NO.
	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3				
A 19	98045A1J9-13	20N	45A1J1-31	8N	5			59 B
A 20	180045A1J11-18	20N	45A1J1- 7	8N	17			59 B
A 21	160045A1J10-18	20N	45A1J1- 6	8N	12			59 B
A 22	102045A1J9-18	20N	45A1J1-13	8N	6			59 B
A 23	34045A1J11- 5	20N	45A1J7- 1	20N	15			40 A
A 24	5745A1J10- 5	20N	45A1J6- 1	20N	10			48 A
A 25	81045A1J9- 5	20N	45A1J5- 1	20N	4			56 A
A 26	88045A1J9- 4	20N	45A1J1-10	8N	3			59 B
A 27	129045A1J10- 4	20N	45A1J1- 9	8N	9			59 B
A 28	104045A1J11- 4	20N	45A1J1- 2	8N	14			59 B
A 29	159045A1P1-F 3	20N	45A1J2-14	20N	22			58
A 30	159045A1P1-G 3	20N	45A1J2-15	20N	19			57
A 31	187045A1J7- 9	20N	45A1J1-21	8N	36			59 A
A 32	169045A1J6- 9	20N	45A1J1-28	8N	44			59 A
A 33	150045A1J5- 9	20N	45A1J1-34	8N	52			59 A
A 34	185045A1J7- 6	20N	45A1J1-20	8N	37			59 A
A 35	148045A1J6- 6	20N	45A1J1-27	8N	45			59 A
A 36	148045A1J5- 6	20N	45A1J1-35	8N	53			59 A

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

1015737

SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE
A

SCALE - NONE REV LTR 8

SHEET 6 OF 8

GGA WIRING HARNESS A 1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		TERMINATION SPEC. NO.	ITEM NO.	TERMINATION SPEC. NO.	ITEM NO.
	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1 2 3				
A 37	146045A1P1-G 2	20N	45A1E12	25N	20			1 B
A 38	50045A1E12	25N	45A1J1- 1	8N	1			59 B
A 39	50045A1E12	25N	45A1J1-37	8N	1			59 B
A 40	50045A1E12	25N	45A1J1-38	8N	1			59 B

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

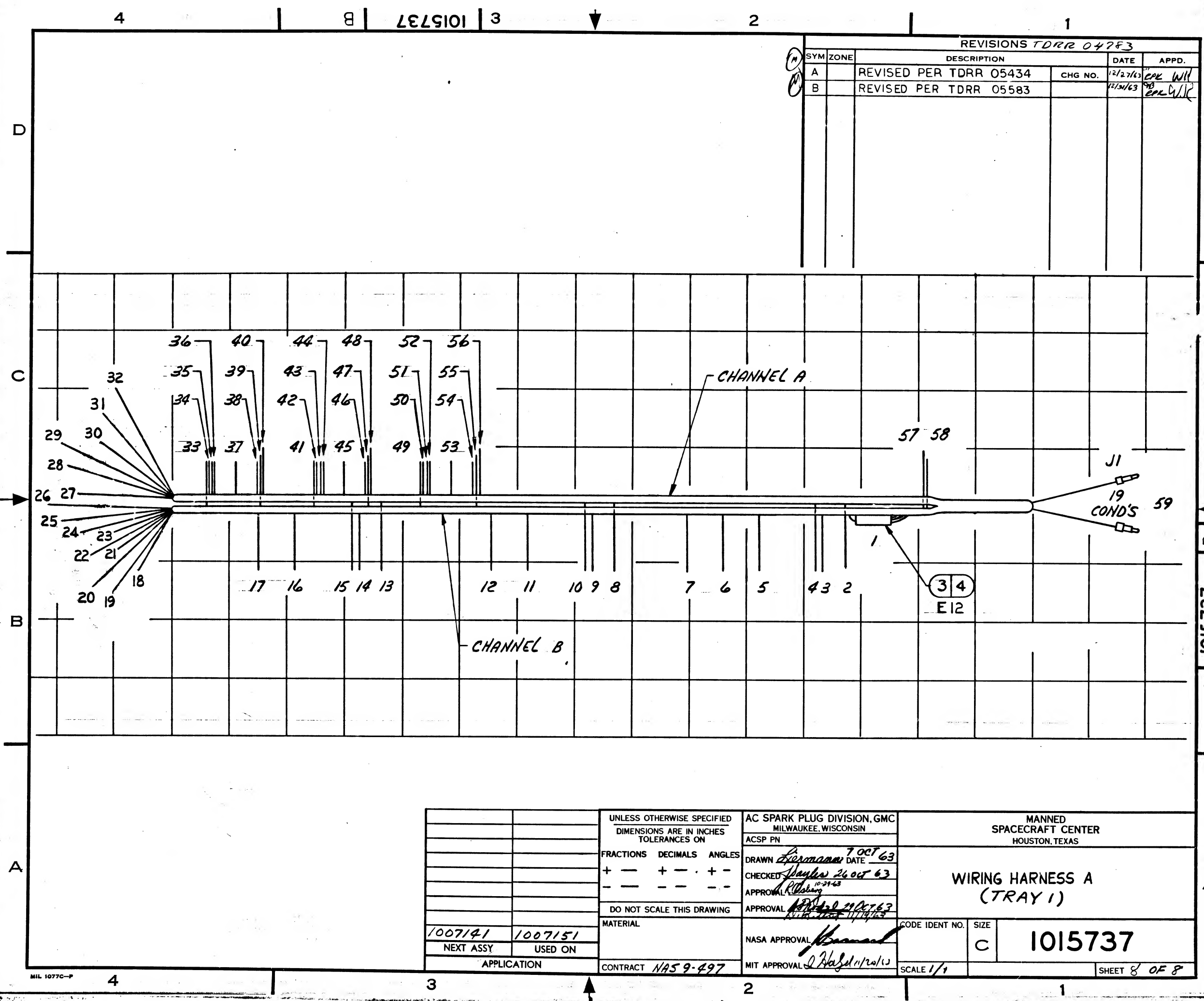
1015737

SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE
A

SCALE - NONE REV LTR 8

SHEET 7 OF 8



REVISIONS TDRR 04783				
SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRR 05434	12/27/63	EPL WII
B		REVISED PER TDRR 05583	12/31/63	EPL G/11

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
FRACTIONS DECIMALS ANGLES		DRAWN <i>Berman</i> 7 OCT 63		WIRING HARNESS A (TRAY 1)			
+ - + - + -		CHECKED <i>Jayles</i> 26 OCT 63					
- - - - -		APPROVAL <i>R. G. King</i> 10-31-63					
DO NOT SCALE THIS DRAWING		APPROVAL <i>W. H. H. H.</i> 11/14/63		CODE IDENT NO. SIZE			
MATERIAL		NASA APPROVAL <i>Berman</i>		C 1015737			
1007141 1007151		MIT APPROVAL <i>W. H. H. H.</i> 11/20/63		SCALE 1/1			
NEXT ASSY USED ON		CONTRACT NAS 9-497		SHEET 8 OF 8			
APPLICATION							

GGA WIRING HARNESS A C 1015737

PENNANT NOTE

GENERAL NOTES

- SEE CONDUCTOR CHART
- SEE CONDUCTOR CHART
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
- MARK CONDUCTOR IDENTIFICATION PER MD1002019.
- SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
- SPIRALLING OF THE MARKING IS ALLOWED.
- LACE HARNESS USING ITEM 5
- IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).
- Y OR N IN TINNED COLUMN INDICATES YES OR NO.
- GRID MODULE IS 1 INCH.
- UNLESS OTHERWISE SPECIFIED ---
FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH.
END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.
- BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.
- VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
- IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY
- INSTALL ITEM 2 PER MD1002066

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE-NONE	REV LTR C	SHEET 2 OF 8

GGA WIRING HARNESS A C 1015737

PENNANT NOTE

GENERAL NOTES

16 INSTALL ITEM 3 PER MD

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.

	WIRE	STRIP	JACKET	WIRE	CUT	SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET						

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE-NONE	REV LTR C	SHEET 3 OF 8

GGA WIRING HARNESS A C 1015737

PENNANT NOTE

GENERAL NOTES

16 INSTALL ITEM 3 PER MD

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.

	WIRE	STRIP	JACKET	WIRE	CUT	SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET						

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE-NONE	REV LTR C	SHEET 4 OF 8

GGA WIRING HARNESS A C 1015737

PENNANT NOTE

GENERAL NOTES

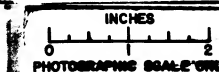
16 INSTALL ITEM 3 PER MD

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.

	WIRE	STRIP	JACKET	WIRE	CUT	SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET						

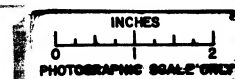
MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE-NONE	REV LTR C	SHEET 5 OF 8



GGA WIRING HARNESS A C 1015737														
CONDUCTOR			FROM			TO			TERMINATION			TERMINATION		
NUMBER	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD
A 1	1	48045A1P1-C 1	20M			26	45A1J7- 2	20M						39
A 2	1	61045A1P1-C 2	20M			29	45A1J6- 2	20M						47
A 3	1	79445A1P1-C 3	20M			24	45A1J5- 2	20M						55
A 4	1	94045A1P1-B 1	20M			29	45A1J7- 9	20M						35
A 5	1	55045A1P1-B 2	20M			28	45A1J6- 9	20M						43
A 6	1	69045A1P1-B 3	20M			27	45A1J9- 9	20M						51
A 7	1	43045A1P1-A 1	20M			32	45A1J7- 3	20M						38
A 8	1	41045A1P1-A 2	20M			31	45A1J6- 3	20M						46
A 9	1	76045A1P1-A 3	20M			30	45A1J5- 3	20M						54
A 10	1	63045A1P1-H 6	20M			18	45A1J5-10	20M						49
A 11	1	94045A1J5-10	20M			50	45A1J9- 1	20M						2 A
A 12	1	47045A1P1-F 6	20M			21	45A1J6-10	20M						41
A 13	1	72045A1J6-10	20M			42	45A1J10- 1	20M						4 A
A 14	1	30045A1P1-D 6	20M			23	45A1J7-10	20M						33
A 15	1	48045A1J7-10	20M			34	45A1J11- 1	20M						13 A
A 16	1	109045A1J9-23	20M			7	45A1J1-14	20M						54 B
A 17	1	174045A1J11-13	20M			16	45A1J1-23	20M						54 B
A 18	1	138045A1J10-13	20M			11	45A1J1-24	20M						54 B
THE STD CONDUCTOR TERMINATION FIGURES ARE PER DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.										MANAGED SPACECRAFT CENTER HOUSTON, TEXAS SCALE-NONE REV LTR C SHEET 5 OF 8				

GGA WIRING HARNESS A C 1015737														
CONDUCTOR			FROM			TO			TERMINATION			TERMINATION		
NUMBER	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD
A 19	1	98045A1J9-13	20M			5	45A1J1-31	20M						58 B
A 20	1	180045A1J11-18	20M			17	45A1J1- 7	20M						58 B
A 21	1	160045A1J10-18	20M			12	45A1J1- 6	20M						58 B
A 22	1	102045A1J9-18	20M			6	45A1J1-13	20M						58 B
A 23	1	94045A1J11- 5	20M			19	45A1J7- 1	20M						40 A
A 24	1	57545A1J10- 5	20M			10	45A1J6- 1	20M						48 A
A 25	1	81045A1J9- 5	20M			4	45A1J5- 1	20M						56 A
A 26	1	88045A1J9- 4	20M			3	45A1J1-10	20M						58 B
A 27	1	129045A1J10- 4	20M			9	45A1J1- 9	20M						58 B
A 28	1	144045A1J11- 4	20M			14	45A1J1- 2	20M						58 B
A 29	1	159045A1P1-F 3	20M			22	45A1J2-14	20M						58
A 30	1	159045A1P1-G 3	20M			19	45A1J2-15	20M						57
A 31	1	187045A1J7- 9	20M			36	45A1J1-21	20M						59 A
A 32	1	140045A1J6- 9	20M			44	45A1J1-28	20M						59 A
A 33	1	150045A1J5- 9	20M			52	45A1J1-36	20M						59 A
A 34	1	185045A1J7- 6	20M			37	45A1J1-20	20M						59 A
A 35	1	148045A1J6- 6	20M			45	45A1J1-27	20M						59 A
A 36	1	148045A1J5- 6	20M			53	45A1J1-35	20M						59 A
THE STD CONDUCTOR TERMINATION FIGURES ARE PER DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.										MANAGED SPACECRAFT CENTER HOUSTON, TEXAS SCALE-NONE REV LTR C SHEET 6 OF 8				

GGA WIRING HARNESS A C 1015737														
CONDUCTOR			FROM			TO			TERMINATION			TERMINATION		
NUMBER	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD	STEP WIRE OR SHIELD	CIRCUIT POINT	ITEM NO.	STEP WIRE OR SHIELD
A 37	1	146045A1P1-G 2	20M			20	45A1E12	25M						1 B
A 38	6	50045A1E12	25M			1	45A1J1- 1	20M						59 B
A 39	6	50045A1E12	25M			1	45A1J1-37	20M						59 B
A 40	6	50045A1E12	25M			1	45A1J1-38	20M						59 B
THE STD CONDUCTOR TERMINATION FIGURES ARE PER DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.										MANAGED SPACECRAFT CENTER HOUSTON, TEXAS SCALE-NONE REV LTR C SHEET 7 OF 8				



4

C

1015737

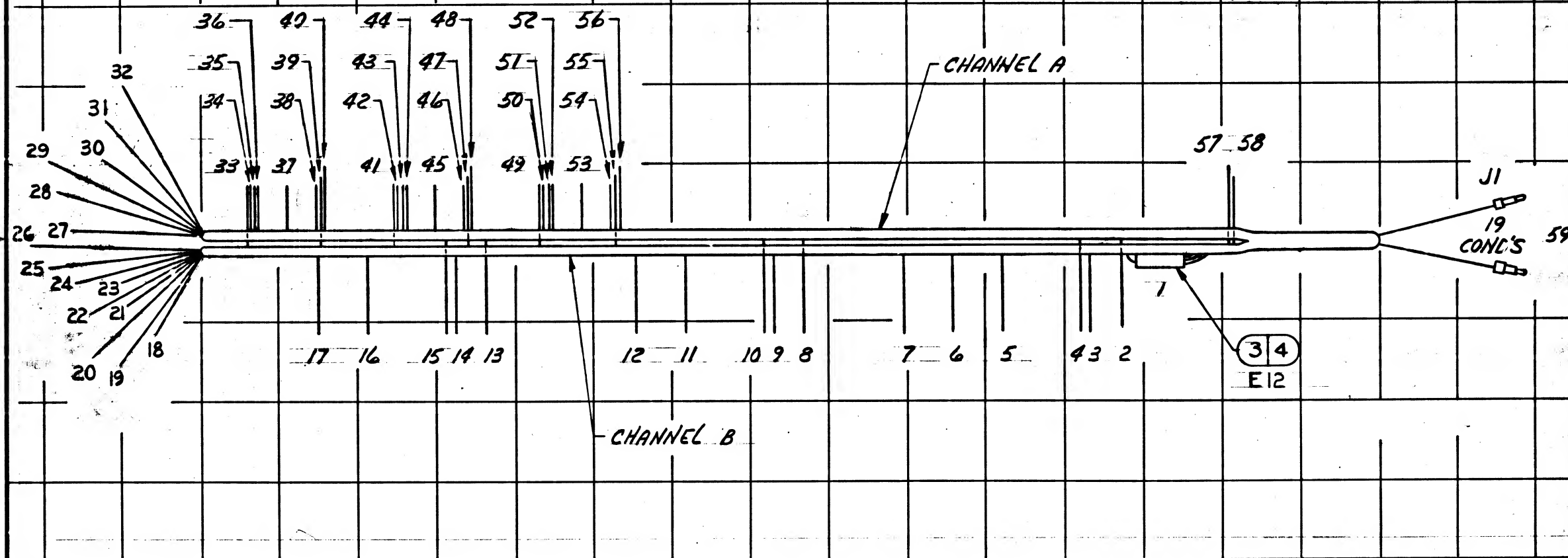
3

2

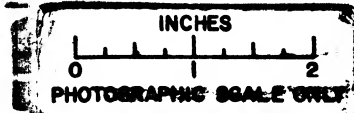
1

REVISIONS TDRR 04783

SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRR 05434	12/27/63	EPE WIL
B		REVISED PER TDRR 05583	12/30/63	EPE WIL
C		REVISED PER TDRR 06733	3/3/64	EPE WIL



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
FRACTIONS DECIMALS ANGLES + - + - + - - - - - -		DRAWN <i>[Signature]</i> DATE 7 OCT 63 CHECKED <i>[Signature]</i> DATE 26 OCT 63 APPROVAL <i>[Signature]</i> DATE 10 OCT 63 APPROVAL <i>[Signature]</i> DATE 11 OCT 63		WIRING HARNESS A (TRAY 1)	
DO NOT SCALE THIS DRAWING		MATERIAL		CODE IDENT NO. SIZE	
1007141 1007151 NEXT ASSY USED ON		CONTRACT NAS 9-497		C 1015737	
APPLICATION		MIT APPROVAL <i>[Signature]</i> DATE 11/10/63		SCALE 1/1 SHEET 8 OF 8	

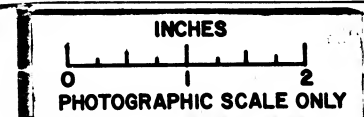


GGA		WIRING HARNESS A		D		1015737	
PENMANT		GENERAL NOTES					
NOTE							
1		SEE CONDUCTOR CHART					
2		SEE CONDUCTOR CHART					
3		INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.					
4		MARK CONDUCTOR IDENTIFICATION PER ND1002019.					
5		SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.					
6		SPIRALLING OF THE MARKING IS ALLOWED.					
7		LACE HARNESS USING ITEM 5					
8		IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).					
9		Y OR N IN TINNED COLUMN INDICATES YES OR NO.					
10		GRID MODULE IS 1 INCH.					
11		UNLESS OTHERWISE SPECIFIED --- FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH. END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.					
12		BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.					
13		VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.					
14		IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY					
15		INSTALL ITEM 2 PER ND1002066					
		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A		1015737	
		SCALE - NONE		REV LTR D		SHEET 2 OF 8	

GGA		WIRING HARNESS A		D		1015737	
PENMANT		GENERAL NOTES					
NOTE							
16		INSTALL ITEM 3 PER ND					
		TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---					
		APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.					
		TOLERANCE					
		WIRE STRIP JACKET WIRE CUT SHIELD					
		UNDER 1 INCH +.03-.00 +.06-.06 +.06-.06 +.06-.06					
		1 INCH TO 6 INCHES +.06-.00 +.25-.25 +.25-.25 +.25-.25					
		6 INCHES TO 6 FEET +.50-.50 +.50-.50 +.50-.50					
		OVER 6 FEET					
		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A		1015737	
		SCALE - NONE		REV LTR D		SHEET 3 OF 8	

GGA		WIRING HARNESS A		D		1015737	
PENMANT		LIST OF MATERIALS					
NOTE							
13		1 AR 1010639- 2 WIRE, 33 FT 3.6 IN TOTAL LENGTH					
13		2 19 1010738- 2 CONTACT-ELECTRICAL (SOCKET)					
13		3 1 1010711- 1 SPLICE REDUCER					
13		4 1 1010476-168 INSULATION ELECTRICAL HEAT SHRINK					
		5 AR MIL-T-713 LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)					
		6 AR MIL-W-16878/1B-24-19STND WIRE-WHITE					
		7 AR 1010639- 4 WIRE					
		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A		1015737	
		SCALE - NONE		REV LTR D		SHEET 4 OF 8	

GGA		WIRING HARNESS A		D		1015737	
PENMANT		LIST OF MATERIALS					
NOTE							
13		1 AR 1010639- 2 WIRE, 33 FT 3.6 IN TOTAL LENGTH					
13		2 19 1010738- 2 CONTACT-ELECTRICAL (SOCKET)					
13		3 1 1010711- 1 SPLICE REDUCER					
13		4 1 1010476-168 INSULATION ELECTRICAL HEAT SHRINK					
		5 AR MIL-T-713 LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)					
		6 AR MIL-W-16878/1B-24-19STND WIRE-WHITE					
		7 AR 1010639- 4 WIRE					
		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A		1015737	
		SCALE - NONE		REV LTR D		SHEET 4 OF 8	



GGA

WIRING HARNESS A

D 1015737

CONDUCTOR			FROM				TO				TERMINATION NO.	
ITEM NUMBER	INDIVIDUAL LENGTH	ITEM NO.	CUT WIRE OR SHIELD		TERMINATION SPEC.		CUT WIRE OR SHIELD		TERMINATION SPEC.		ITEM NO.	ITEM NO.
			STRIP WIRE OR JACKET	CIRCUIT POINT	1	2	1	2	1	2		
A 1	1	480	5A1P1-C 1	20N	26	45A1J7-2	20N					39
A 2	1	610	5A1P1-C 2	20N	25	45A1J6-2	20N					47
A 3	1	795	5A1P1-C 3	20N	24	45A1J5-2	20N					55
A 4	1	340	5A1P1-B 1	20N	29	45A1J7-9	20N					35
A 5	1	500	5A1P1-B 2	20N	28	45A1J6-9	20N					43
A 6	1	690	5A1P1-B 3	20N	27	45A1J5-9	20N					51
A 7	1	430	5A1P1-A 1	20N	32	45A1J7-3	20N					38
A 8	1	410	5A1P1-A 2	20N	31	45A1J6-3	20N					46
A 9	1	760	5A1P1-A 3	20N	30	45A1J5-3	20N					54
A 10	1	630	5A1P1-H 6	20N	18	45A1J5-10	20N					49
A 11	1	940	5A1J5-10	20N	50	45A1J9-1	20N					2 A
A 12	1	470	5A1P1-F 6	20N	21	45A1J6-10	20N					41
A 13	1	720	5A1J6-10	20N	42	45A1J10-1	20N					8 A
A 14	1	300	5A1P1-D 6	20N	23	45A1J7-10	20N					33
A 15	1	480	5A1J7-10	20N	34	45A1J11-1	20N					13 A
A 16	1	1090	5A1J9-23	20N	7	45A1J1-14	8N			2		59 B
A 17	1	1740	5A1J11-13	20N	16	45A1J1-23	8N			2		59 B
A 18	1	1380	5A1J10-13	20N	11	45A1J1-24	8N			2		59 B
MANNED SPACECRAFT CENTER HOUSTON, TEXAS												
1015737												
THE STD CONDUCTOR TERMINATION FIGURES ARE PER												
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.												
SCALE - NONE												
REV LTR D SHEET 5 OF 8												

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 2008 - 4-43 WIR

GGA

WIRING HARNESS A

D 1015737

CONDUCTOR				FROM				TO			
INDIVIDUAL LENGTH		CUT WIRE OR SHIELD		TERMINATION		CUT WIRE OR SHIELD		TERMINATION			
ITEM	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM	NO.	STRIP WIRE OR JACKET	CIRCUIT POINT
NUMBER	NO.	1	2	1	2	1	2	1	2	1	2
A 19	1	980	5A1J9-13	20N	5	45A1J1-31	8N	2	59 B		
A 20	1	1800	5A1J11-18	20N	17	45A1J1-7	8N	2	59 B		
A 21	1	1600	5A1J10-18	20N	12	45A1J1-6	8N	2	59 B		
A 22	1	1020	5A1J9-18	20N	6	45A1J1-13	8N	2	59 B		
A 23	1	340	5A1J11-5	20N	15	45A1J7-1	20N		40 A		
A 24	1	575	5A1J10-5	20N	10	45A1J6-1	20N		48 A		
A 25	1	810	5A1J9-5	20N	4	45A1J5-1	20N		56 A		
A 26	1	880	5A1J9-4	20N	3	45A1J1-10	8N	2	59 B		
A 27	1	1250	5A1J10-4	20N	9	45A1J1-9	8N	2	59 B		
A 28	1	1640	5A1J11-4	20N	14	45A1J1-2	8N	2	59 B		
A 29	1	1590	5A1P1-F 3	20N	22	45A1J2-14	20N		58		
A 30	1	1590	5A1P1-G 3	20N	19	45A1J2-15	20N		57		
A 31	1	1870	5A1J7-9	20N	36	45A1J1-21	8N	2	59 A		
A 32	1	1690	5A1J6-9	20N	44	45A1J1-28	8N	2	59 A		
A 33	1	1500	5A1J5-9	20N	52	45A1J1-36	8N	2	59 A		
A 34	1	1850	5A1J7-6	20N	37	45A1J1-20	8N	2	59 A		
A 35	1	1680	5A1J6-6	20N	45	45A1J1-27	8N	2	59 A		
A 36	1	1480	5A1J5-6	20N	53	45A1J1-35	8N	2	59 A		

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER		1015737	
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.			
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		REV LTR D	
SCALE - NONE		SHEET 6 OF 8	

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 2008 - 4-43 WIR

GGA

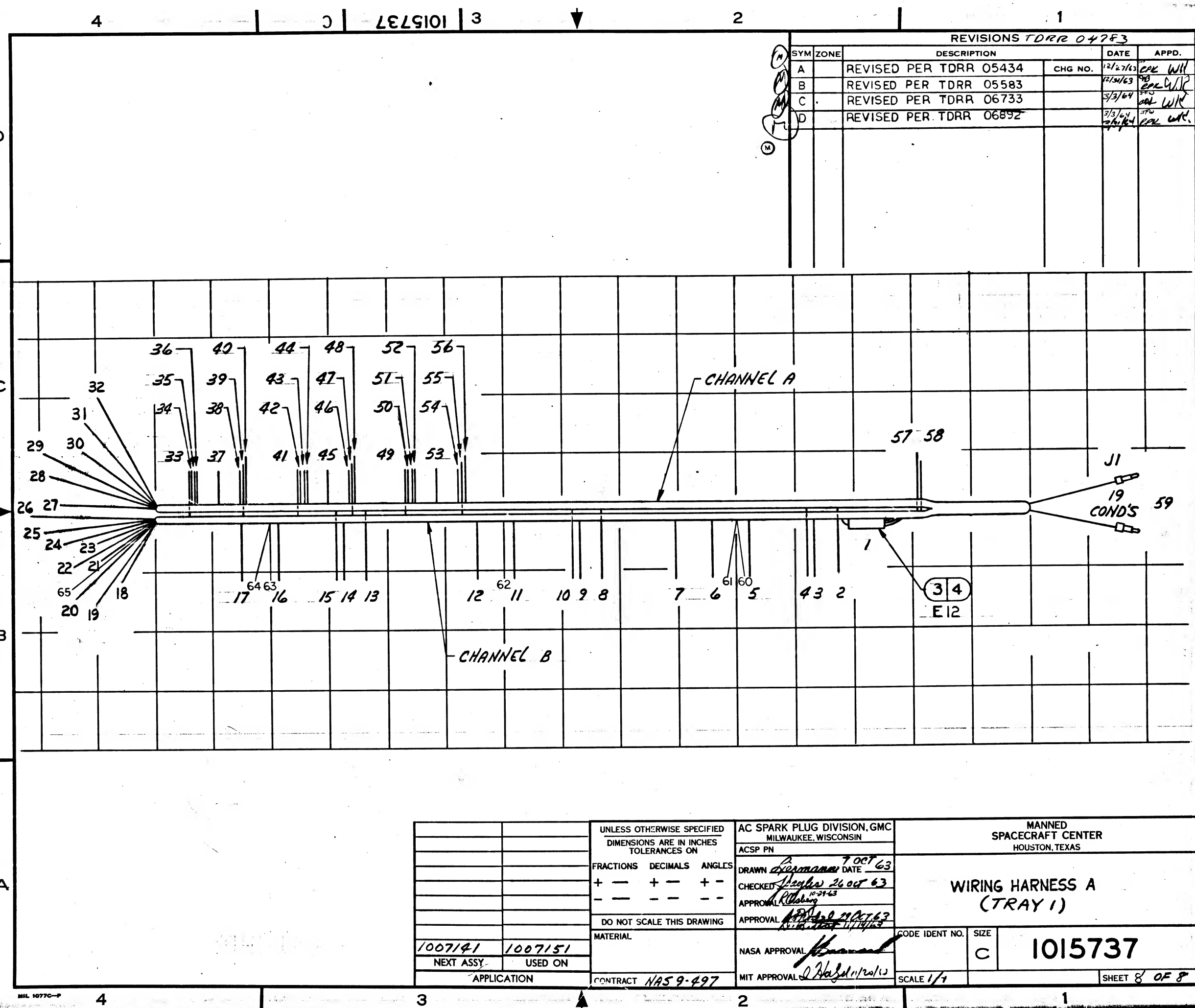
WIRING HARNESS A

D 1015737

CONDUCTOR				FROM				TO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NUMBER	ITEM NO.	INDIVIDUAL LENGTH	3	CUT WIRE OR SHIELD		1	2	3	N	TERMINATION SPEC.		1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	TERMINATION SPEC.	1	2	3	N	ITEM NO.	

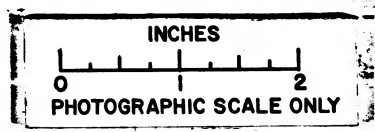
1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 2008 - 4-43 WIR



REVISIONS TDRR 04753				
SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRR 05434	12/27/63	CDL WIL
B		REVISED PER TDRR 05583	12/30/63	CDL WIL
C		REVISED PER TDRR 06733	3/3/64	CDL WIL
D		REVISED PER TDRR 06892	3/3/64	CDL WIL

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		FRACTIONS DECIMALS ANGLES	ACSP PN			
		+ - + - + -	DRAWN <i>Bohman</i> DATE <i>7 OCT 63</i>			
		- - - - - -	CHECKED <i>Bohman</i> DATE <i>26 OCT 63</i>			
		DO NOT SCALE THIS DRAWING	APPROVAL <i>Bohman</i>			
		MATERIAL	APPROVAL <i>Bohman</i> DATE <i>11/14/63</i>			
1007141		1007151	NASA APPROVAL <i>Bohman</i>		CODE IDENT NO.	SIZE
NEXT ASSY		USED ON	MIT APPROVAL <i>Bohman</i> DATE <i>11/20/63</i>		C	1015737
APPLICATION		CONTRACT <i>NAS 9-497</i>	SCALE <i>1/1</i>		SHEET <i>8 OF 8</i>	



APPLICATION		REVISIONS TO 047 F3			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
1007151	1007151	A	REVISED PER TDRR 05434	2/12/62	WIL
		B	REVISED TDRR 05583	3/12/62	WIL
		C	REVISED PER TDRR 06733	3/12/62	WIL
		D	REVISED PER TDRR 06892	3/12/62	WIL
		E	REPLACED WITH CHANGE BY REV F PER TDRR 19781	JUN 65	WIL

(E) REPLACED WITH CHANGE BY REV F

REV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN BY DATE 1007
CHECKED BY DATE 1007
APPROVAL BY DATE 1007

NASA APPROVAL BY DATE 1007
MIT APPROVAL BY DATE 1007

CONTRACT NAS 9-597

SCALE —

CODE IDENT NO. A SIZE A

1015737

REV E

SHEET 1 OF 8

WIRING HARNESS A		1015737		F
NOTE	GENERAL NOTES			
NUMBER	DESCRIPTION			
1	NOT APPLICABLE			
2	DELETED			
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.			
4	MARK CONDUCTOR IDENTIFICATION PER ND1002019.			
5	SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.			
6	SPIRALLING OF THE MARKING IS ALLOWED.			
7	LACE HARNESS USING ITEM 5			
8	IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).			
9	DELETED			
10	GRID MODULE IS 1 INCH.			
11	UNLESS OTHERWISE SPECIFIED --- FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH. END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.			
12	BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.			
13	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.			
14	IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY			
15	INSTALL ITEM 2 PER ND1002066			
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737	
SCALE - NONE		REV LTR	F	SHEET 2 OF 9

WIRING HARNESS A		1015737		F
NOTE	GENERAL NOTES			
NUMBER	DESCRIPTION			
16	INSTALL ITEM 3 PER NO			
TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---				
APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.				
TOLERANCE				
WIRE STRIP JACKET WIRE CUT SHIELD				
UNDER 1 INCH +.03-.00 +.06-.06 +.06-.06 +.06-.06				
1 INCH TO 6 INCHES +.06-.00 +.25-.25 +.25-.25 +.25-.25				
6 INCHES TO 6 FEET +.50-.50 +.50-.50 +.50-.50				
OVER 6 FEET				
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737	
SCALE - NONE		REV LTR	F	SHEET 3 OF 9

APPLICATION		REVISIONS TDR 04783	
NEXT ASSY	USED ON	SYM	DESCRIPTION
1007141	1007151	F	REPLACES REV E WITH CHANGE PER TDR 111
DATE		APPROVAL	
11 MAY 65		J J J	
F REPLACES REV E WITH CHANGE			
MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
WIRING HARNESS A (TRAY 1)			
CODE IDENT NO. A 1015737			
REV F			
SHEET 1 OF 9			
SCALE ---			
CONTRACT NAS 9-497			
AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN			
ACSP PN			
DRAWN LIERMANN 7 OCT 63			
CHECKED L SAYLES 26 OCT 63			
APPROVAL R OSBERG 29 OCT 63			
APPROVAL 6/1/65			
NASA APPROVAL 11/11/65			
MIT APPROVAL 11/11/65			

WIRING HARNESS A		1015737		F
SEE NOTE	LIST OF MATERIALS			
NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
13	1	AR	1010639- 2	WIRE, 33 FT 3.6 IN TOTAL LENGTH
13	2	19	1010738- 6	CONTACT-ELECTRICAL (SOCKET)
13	3	1	1010711- 1	SPLICE REDUCER
13	4	1	1010476-168	INSULATION ELECTRICAL HEAT SHRINK
	5	AR	MIL-T-713	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
	6	AR	MIL-W-16878/1B-24-19 STND WHT	WIRE
	7	AR	1010639- 4	WIRE
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737	
SCALE - NONE		REV LTR	F	SHEET 4 OF 9

WIRING HARNESS A										1015737		
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	4.80 45A1P1-C1 45A1J7-2	26 39				.20 NO .20 NO				
A	2	1	6.10 45A1P1-C2 45A1J6-2	25 47				.20 NO .20 NO				
A	3	1	7.95 45A1P1-C3 45A1J5-2	24 55				.20 NO .20 NO				
A	4	1	3.40 45A1P1-P 45A1J7-	29 35				.20 NO .20 NO				
A	5	1	5.50 45A1P1-B2 45A1J6-9	28 43				.20 NO .20 NO				
A	6	1	6.90 45A1P1-B3 45A1J5-9	27 51				.20 NO .20 NO				
A	7	1	4.30 45A1P1-A1 45A1J7-3	32 38				.20 NO .20 NO				
A	8	1	4.10 45A1P1-A2 45A1J6-3	31 46				.20 NO .20 NO				
A	9	1	7.60 45A1P1-A3 45A1J5-3	30 54				.20 NO .20 NO				
A	10	1	6.30 45A1P1-H6 45A1J5-10	18 49				.20 NO .20 NO				
A	11	1	9.40 45A1J5-10 45A1J9-1	50 2				.20 NO .20 NO				A
A	12	1	4.70 45A1P1-F6 45A1J6-10	21 41				.20 NO .20 NO				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE - NONE	REV LTR	F
SHEET		5 OF 9

MIL 2084 4-63

WIRING HARNESS A											1015737	
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	LEAD STRIP LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS		
A 13	1	7.20	45A1J6-10 45A1J10-1	42 8			.20 NO .20 NO			A		
A 14	1	3.00	45A1P1-D6 45A1J7-10	23 33			.20 NO .20 NO					
A 15	1	4.80	45A1J7-10 45A1J11-1	34 13			.20 NO .20 NO			A		
A 16	1	10.90	45A1J9-23 45A1J1-14	7 59			.20 NO .08 NO		2	B		
A 17	1	17.40	45A1J11-13 45A1J1-23	16 59			.20 NO .08 NO		2	B		
A 18	1	13.80	45A1J10-13 45A1J1-24	11 59			.20 NO .08 NO		2	B		
A 19	1	9.80	45A1J9-13 45A1J1-31	5 59			.20 NO .08 NO		2	B		
A 20	1	18.00	45A1J11-18 45A1J1-7	17 59			.20 NO .08 NO		2	B		
A 21	1	16.00	45A1J10-18 45A1J1-6	12 59			.20 NO .08 NO		2	B		
A 22	1	10.20	45A1J9-18 45A1J1-13	6 59			.20 NO .08 NO		2	B		
A 23	1	3.40	45A1J11-5 45A1J7-1	15 40			.20 NO .20 NO			A		
A 24	1	5.75	45A1J10-5 45A1J6-1	10 48			.20 NO .20 NO			A		

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE - NONE	REV LTR	F
		SHEET 6 OF 9

MIL 2084 4-63

WIRING HARNESS A											1015737
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	LEAD STRIP LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS	
A 25	1	8.10	45A1J9-5 45A1J5-1	4 56			.20 NO .20 NO			A	
A 26	1	8.80	45A1J9-4 45A1J1-10	3 59			.20 NO .08 NO		2	B	
A 27	1	12.90	45A1J10-4 45A1J1-9	9 59			.20 NO .08 NO		2	B	
A 28	1	16.40	45A1J11-4 45A1J1-2	14 59			.20 NO .08 NO		2	B	
A 29	1	15.90	45A1P1-F3 45A1J2-14	22 58			.20 NO .20 NO				
A 30	1	15.90	45A1P1-G3 45A1J2-15	19 57			.20 NO .20 NO				
A 31	1	18.70	45A1J7-9 45A1J1-21	36 59			.20 NO .08 NO		2	A	
A 32	1	16.90	45A1J6-9 45A1J1-28	44 59			.20 NO .08 NO		2	A	
A 33	1	15.00	45A1J5-9 45A1J1-36	52 59			.20 NO .08 NO		2	A	
A 34	1	18.50	45A1J7-6 45A1J1-20	37 59			.20 NO .08 NO		2	A	
A 35	1	16.80	45A1J6-6 45A1J1-27	45 59			.20 NO .08 NO		2	A	
A 36	1	14.80	45A1J5-6 45A1J1-35	53 59			.20 NO .08 NO		2	A	

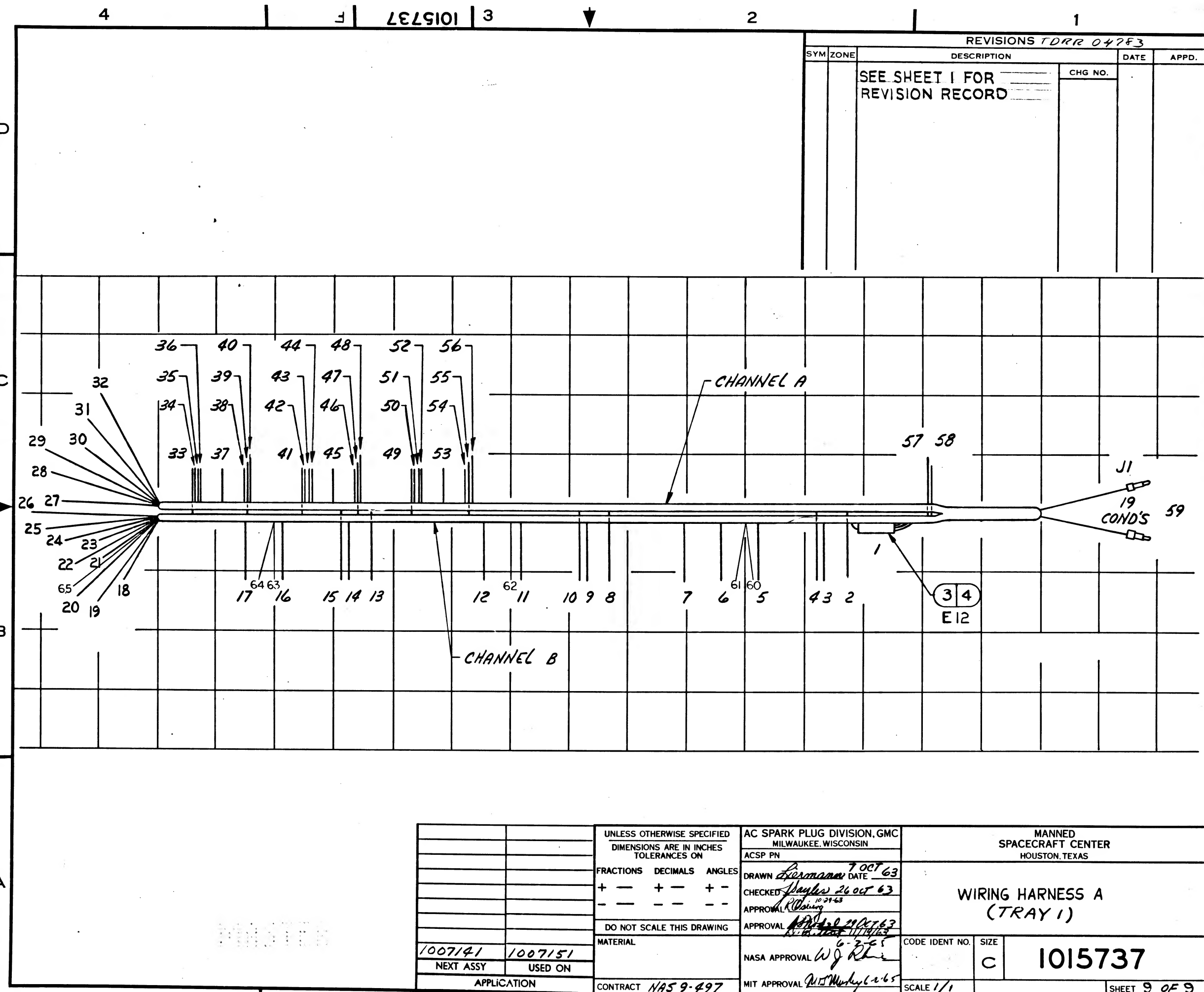
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737
SCALE - NONE		REV LTR	F
SHEET		7 OF 9	

MIL 2084 4-63

WIRING HARNESS A											1015737
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	SHLD STRIP LG	LEAD STRIP LG	INS STRIP LG	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS	
A	37	1	45A1J9-14 45A1E12	60 1			.20 NO .25 NO			B	
A	38	6	5.00 45A1E12 45A1J1-1	1 59			.25 NO .08 NO		2	B	
A	39	6	5.00 45A1E12 45A1J1-37	1 59			.25 NO .08 NO		2	B	
A	40	6	5.00 45A1E12 45A1J1-38	1 59			.25 NO .08 NO		2	B	
A	41	7	45A1P1-G2 45A1J11-14	20 63			.20 NO .20 NO			B	
A	42	7	45A1J11-14 45A1J10-14	64 62			.20 NO .20 NO			B	
A	43	7	45A1P1-G2 45A1J9-14	65 61			.20 NO .20 NO			B	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1015737
SCALE - NONE	REV LTR	F
SHEET		8 OF 9

MIL 2084 4-63



REVISIONS TDRR 047F3				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD	CHG NO.	

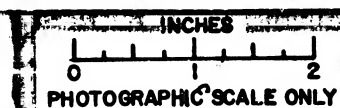
1007141 NEXT ASSY 1007151 USED ON		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON			AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		FRACTIONS + - - -	DECIMALS + - - -	ANGLES + - - -	DRAWN <i>Boorman</i> 7 OCT 63 CHECKED <i>Payles</i> 26 OCT 63 APPROVAL <i>Boorman</i> 10 OCT 63 APPROVAL <i>Boorman</i> 11 OCT 63	WIRING HARNESS A (TRAY 1)		
APPLICATION		MATERIAL			DO NOT SCALE THIS DRAWING		CODE IDENT NO.	
CONTRACT NAS 9-497		NASA APPROVAL <i>WJ Rhee</i> 6-3-65 MIT APPROVAL <i>WJ Rhee</i> 6-2-65			SIZE C		1015737	
					SCALE 1/1		SHEET 9 OF 9	

GGA		WIRING HARNESS A		1015737	
PENNANT		GENERAL NOTES			
NOTE					
1	SEE CONDUCTOR CHART				
2	SEE CONDUCTOR CHART				
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.				
4	MARK CONDUCTOR IDENTIFICATION PER ND1002019.				
5	SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.				
6	SPIRALLING OF THE MARKING IS ALLOWED.				
7	LACE HARNESS USING ITEM 5				
8	IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).				
9	Y OR N IN TINNED COLUMN INDICATES YES OR NO.				
10	GRID MODULE IS 1 INCH.				
11	UNLESS OTHERWISE SPECIFIED --- FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH. END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.				
12	BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.				
13	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.				
14	IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY				
15	INSTALL ITEM 2 PER ND1002066				
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737		
SCALE - NONE		REV LTR	SHEET 2 OF 8		

GGA		WIRING HARNESS A		1015737	
PENNANT		GENERAL NOTES			
NOTE					
16	INSTALL ITEM 3 PER ND				
TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---					
APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.					
TOLERANCE					
STRIP WIRE JACKET WIRE CUT SHIELD					
UNDER 1 INCH +.03-.00 +.06-.06 +.06-.06 +.06-.06					
1 INCH TO 6 INCHES +.06-.00 +.25-.25 +.25-.25 +.25-.25					
6 INCHES TO 6 FEET +.50-.50 +.50-.50 +.50-.50					
OVER 6 FEET					
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737		
SCALE - NONE		REV LTR	SHEET 3 OF 8		

APPLICATION		REVISIONS		DATE		APPROVAL	
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL	DATE	APPROVAL
7007141	1007151						
AC SPARK PLUG DIVISION - GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		WIRING HARNESS A (TRAY 1)			
DRAWN 7007151		CHECKED 7007151		APPROVAL 7007151			
APPROVAL 7007151		APPROVAL 7007151		APPROVAL 7007151			
NASA APPROVAL 7007151		NASA APPROVAL 7007151		NASA APPROVAL 7007151			
CONTRACT NAS 9-497		SHEET 1 OF 8		1015737			

GGA		WIRING HARNESS A		1015737	
PENNANT		LIST OF MATERIALS			
NOTE	ITEM QTY	PART NO	DESCRIPTION		
13	1 AR	1010639-	2	WIRE, 33 FT 3.6 IN TOTAL LENGTH	
13	2 19	1010464-	2	CONTACT-ELECTRICAL (SOCKET)	
13	3 1			SPLICE REDUCER	
13	4 1	1010476-168		INSULATION ELECTRICAL HEAT SHRINK	
	5 AR	MIL-T-713		LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)	
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015737		
SCALE - NONE		REV LTR	SHEET 4 OF 8		



GGA

WIRING HARNESS A

1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		ROUTING
	1	2	1	2	
1	2	3	4	5	6
1	2	3	4	5	6
A 1	1	48045A1P1-C 1	20N	26 45A1J7-2	39
A 2	1	61045A1P1-C 2	20N	25 45A1J6-2	47
A 3	1	7945A1P1-C 3	20N	24 45A1J5-2	55
A 4	1	34045A1P1-B 1	20N	29 45A1J7-9	35
A 5	1	55045A1P1-B 2	20N	28 45A1J6-9	43
A 6	1	69045A1P1-B 3	20N	27 45A1J5-9	51
A 7	1	43045A1P1-A 1	20N	32 45A1J7-3	38
A 8	1	41045A1P1-A 2	20N	31 45A1J6-3	46
A 9	1	76045A1P1-A 3	20N	30 45A1J5-3	54
A 10	1	63045A1P1-H 6	20N	18 45A1J5-10	49
A 11	1	94045A1J5-10	20N	50 45A1J9-1	2 A
A 12	1	47045A1P1-F 6	20N	21 45A1J6-10	41
A 13	1	72045A1J6-10	20N	42 45A1J10-1	6 A
A 14	1	30045A1P1-D 6	20N	23 45A1J7-10	33
A 15	1	48045A1J7-10	20N	34 45A1J11-1	13 A
A 16	1	109045A1J9-23	20N	7 45A1J1-14	59 B
A 17	1	174045A1J11-13	20N	16 45A1J1-23	59 B
A 18	1	138045A1J10-13	20N	11 45A1J1-24	59 B

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 2088 - 243 WIR

GGA

WIRING HARNESS A

1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		ROUTING
	1	2	1	2	
1	2	3	4	5	6
1	2	3	4	5	6
A 19	1	98045A1J9-13	20N	5 45A1J1-31	59 B
A 20	1	180045A1J11-18	20N	17 45A1J1-7	59 B
A 21	1	160045A1J10-18	20N	12 45A1J1-6	59 B
A 22	1	102045A1J9-18	20N	6 45A1J1-13	59 B
A 23	1	34045A1J11-5	20N	15 45A1J7-1	40 A
A 24	1	57545A1J10-5	20N	10 45A1J6-1	48 A
A 25	1	81045A1J9-5	20N	4 45A1J5-1	56 A
A 26	1	88045A1J9-4	20N	3 45A1J1-10	59 B
A 27	1	129045A1J10-4	20N	9 45A1J1-9	59 B
A 28	1	164045A1J11-4	20N	14 45A1J1-2	59 B
A 29	1	159045A1P1-F 3	20N	22 45A1J2-14	58
A 30	1	159045A1P1-G 3	20N	19 45A1J2-15	57
A 31	1	187045A1J7-9	20N	36 45A1J1-21	59 A
A 32	1	169045A1J6-9	20N	44 45A1J1-28	59 A
A 33	1	150045A1J5-9	20N	52 45A1J1-36	59 A
A 34	1	185045A1J7-6	20N	37 45A1J1-20	59 A
A 35	1	168045A1J6-6	20N	45 45A1J1-27	59 A
A 36	1	148045A1J5-6	20N	53 45A1J1-35	59 A

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MIL 2088 - 243 WIR

GGA

WIRING HARNESS A

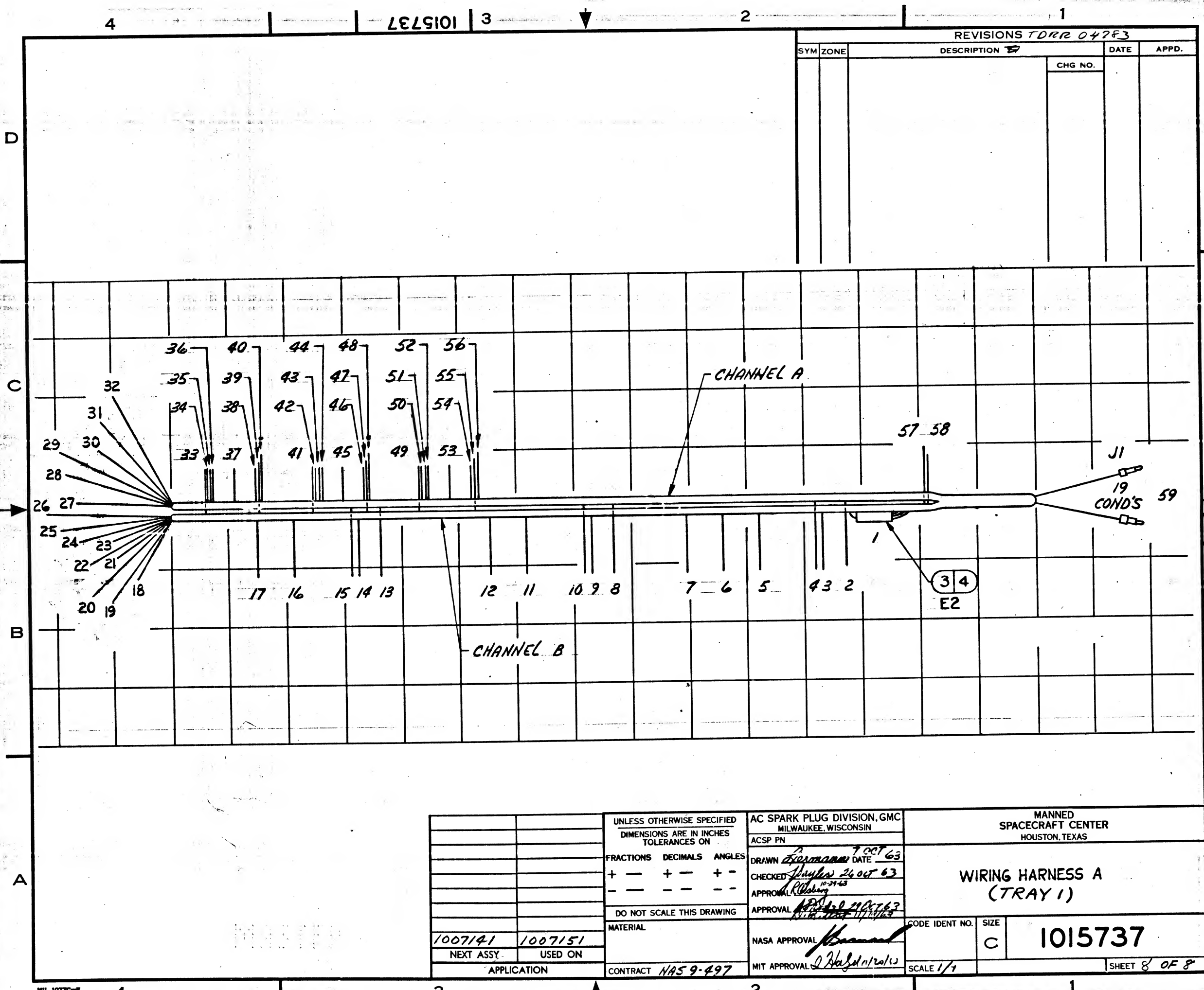
1015737

CONDUCTOR INDIVIDUAL LENGTH ITEM NUMBER	FROM		TO		ROUTING
	1	2	1	2	
1	2	3	4	5	6
1	2	3	4	5	6
A 37	1	146045A1P1-G 2	20N	20 45A1E2	1 B
A 38	1	50045A1E2	25N	1 45A1J1-1	59 B
A 39	1	50045A1E2	25N	1 45A1J1-37	59 B
A 40	1	50045A1E2	25N	1 45A1J1-38	59 B

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

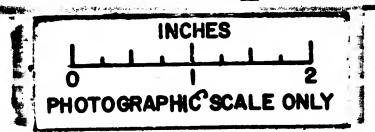
MIL 2088 - 243 WIR

0 1 2
INCHES
PHOTOGRAPHIC SCALE ONLY



REVISIONS TDRR 04783				
SYM	ZONE	DESCRIPTION	CHG NO.	DATE

1007141 NEXT ASSY.		1007151 USED ON		UNLESS OTHERWISE SPECIFIED		AC SPARK PLUG DIVISION, GMC		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
				DIMENSIONS ARE IN INCHES		MILWAUKEE, WISCONSIN			
				TOLERANCES ON		ACSP PN			
				FRACTIONS	DECIMALS	ANGLES			
+		+		+		DRAWN <i>Exxon</i> 7 OCT 63		WIRING HARNESS A (TRAY 1)	
-		-		-		CHECKED <i>Hayles</i> 26 OCT 63			
-		-		-		APPROVAL <i>Robbing</i>			
-		-		-		APPROVAL <i>W. H. Hall</i> 29 OCT 63			
DO NOT SCALE THIS DRAWING				MATERIAL		NASA APPROVAL <i>W. H. Hall</i>		CODE IDENT NO.	
APPLICATION				CONTRACT NAS 9-497		MIT APPROVAL <i>W. H. Hall</i> 11/20/63		SIZE C	
						SCALE 1/1		1015737	
								SHEET 8 OF 8	



MIL 10770-P

APPLICATION		REV. REVISIONS		DATE		APPROVAL	
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL		
1007141	1007151	A	REPLACED WITH CHANGE 18 OCT 65 BY REV(B) PER TDRR 23191	65	OP. M.		

DRAWN *Deverman* DATE *10 Oct 63*
 CHECKED *Deverman* 24 OCT 63
 APPROVAL *Deverman* 27 OCT 63
 APPROVAL *Deverman* 29 OCT 63
 MFG APPROVAL *Deverman*
 NASA APPROVAL *Deverman*
 CONTRACT *NAS 9-497*

REV SHEET
 OF SHEETS
 1 2 3 4 5 6

AC SPARK PLUG DIVISION, GMC
 MILWAUKEE, WISCONSIN
 ACSP PN

MANNED
 SPACECRAFT CENTER
 HOUSTON, TEXAS

WIRING HARNESS B
 (TRAY 1)

CODE IDENT NO. SIZE
 1015738 A

SCALE --
 SHEET 1 OF 6

REV
 A

Ⓐ REPLACED WITH CHANGE BY REV Ⓑ

1015738

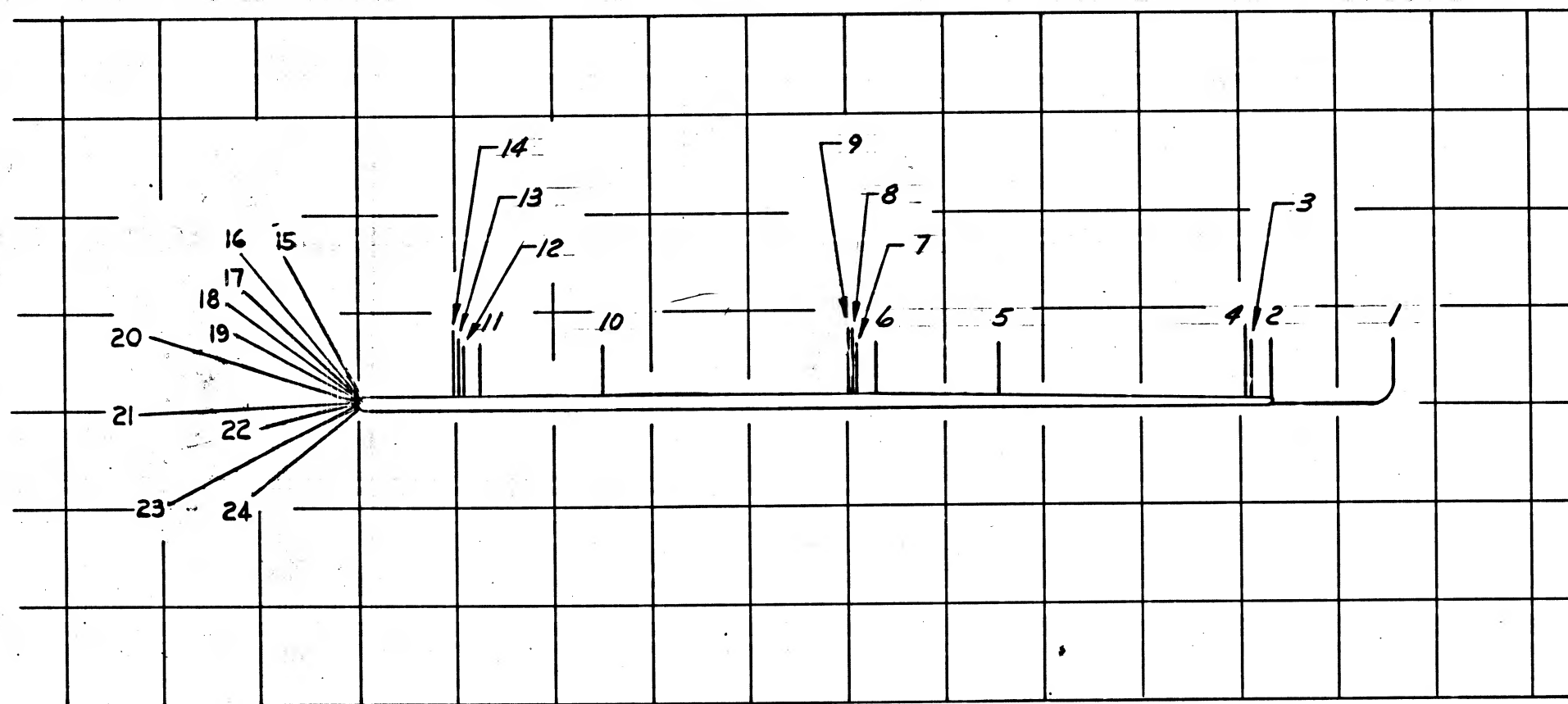
1015738

INCHES

0 1 2

PHOTOGRAPHIC SCALE ONLY

REVISIONS TORR042F3					
SYM	ZONE	DESCRIPTION		DATE	APPD.
			CHG NO.		



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
		FRACTIONS DECIMALS ANGLES	ACSP PN	WIRING HARNESS B (TRAY 1)		
		+ — + — + —	DRAWN <i>Diemann</i> ² DATE <i>7 OCT 63</i>			
		— — — — — —	CHECKED <i>Boyle</i> ²⁶ DATE <i>26 OCT 63</i>			
			APPROVAL <i>RCM</i> ¹⁰⁻²⁴⁻⁶³			
		DO NOT SCALE THIS DRAWING	APPROVAL <i>Boyle</i> ²⁵ DATE <i>25 OCT 63</i> <i>11/19/63</i>			
		MATERIAL	NASA APPROVAL <i>[Signature]</i>	CODE IDENT NO.	SIZE	1015738
1007141	1007151		MIT APPROVAL <i>Boyle</i> ^{11/20/63}		C	
NEXT ASSY	USED ON			SCALE 1/1	SHEET 6 OF 6	
APPLICATION		CONTRACT <i>NAS 9-497</i>				

GGC

WIRING HARNESS C

A 1015739

CONDUCTOR		FROM				TO				
NUMBER	ITEM NO.	INDIVIDUAL LENGTH	CUT WIRE OR SHIELD		TERMINATION SPEC.	ITEM NO.	CUT WIRE OR SHIELD		TERMINATION SPEC.	ITEM NO.
			STRIP WIRE OR JACKET	CIRCUIT POINT			STRIP WIRE OR JACKET	CIRCUIT POINT		
C 1	2	1130	45A1P1-R 1	20N		9	45A1J4- 3	20N		54
C 2	4	490	45A1P1-R 5	20N		7	45A1J11-12	20N		21
C 3	1	890	45A1P1-P 4	20N		11	45A1J6- 8	20N		35
C 4	1	830	45A1P1-P 5	20N		10	45A1J5- 8	20N		46
C 5	2	1130	45A1P1-S 2	20N		6	45A1J4- 7	20N		53
C 6	1	1050	45A1P1-S 4	20N		5	45A1J7- 4	20N		30
C 7	1	420	45A1J7- 4	20N		29	45A1J6- 4	20N		40
C 8	1	420	45A1J6- 4	20N		41	45A1J5- 4	20N		51
C 9	2	570	45A1P1-S 5	20N		4	45A1J11- 3	20N		23
C 11	1		45A1P1-N 6	20N		12	45A1J5- 7	20N		47
C 12	1	420	45A1J5- 7	20N		48	45A1J6- 7	20N		36
C 13	1	420	45A1J6- 7	20N		37	45A1J7- 7	20N		27
C 14	1	340	45A1J7- 7	20N		26	45A1J11-11	20N		22
C 15	2	410	45A1J11-11	20N		22	45A1J10-11	20N		2
C 16	2	510	45A1J11-16	20N		20	45A1P1-M 2	20N		16
C 17	2	500	45A1J11-17	20N		19	45A1P1-L 1	20N		18
C 18	1	800	45A1P1-N 5	20N		13	45A1J5-12	20N		42
C 19	1	420	45A1J5-12	20N		43	45A1J6-12	20N		31

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

3

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SCALE - NONE

REV LTR A

SIZE A

1015739

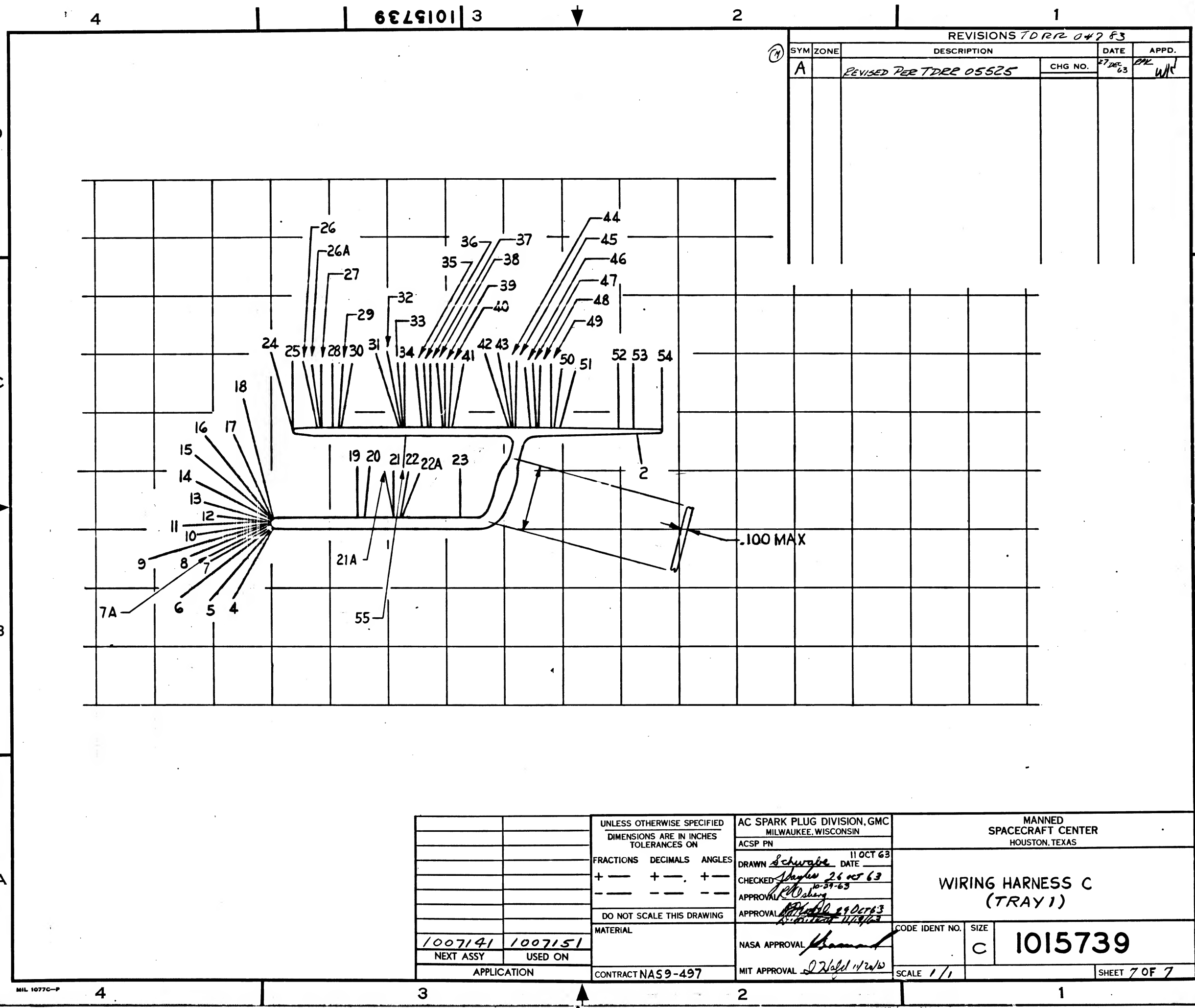
SHEET 5 OF 7

GGC

WIRING HARNESS C

A 1015739

CONDUCTOR		FROM				TO			
		INDIVIDUAL LENGTH	ITEM NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. NO.	ITEM NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. NO.	ITEM NO.
C 20	1	420	45A1J6-12	20N	32	45A1J7-12	20N		24
C 21	1	830	45A1P1-N 4	20N	14	45A1J5-11	20N		44
C 22	1	420	45A1J5-11	20N	45	45A1J6-11	20N		34
C 23	1	420	45A1J6-11	20N	33	45A1J7-11	20N		25
C 24	1	900	45A1P1-L 3	20N	17	45A1J5- 5	20N		49
C 25	1	420	45A1J5- 5	20N	50	45A1J6- 5	20N		39
C 26	1	420	45A1J6- 5	20N	38	45A1J7- 5	20N		28
C 27	1	990	45A1P1-N 3	20N	15	45A1J4- 9	20N		52
C 28	1	1110	45A1P1-R 4	20N	8	45A1J7- 8	20N		26
C 29	4	490	45A1P1-R 5	20N	7	45A1J11-12	20N		21A
					</				



REVISIONS TO R12 047 F3				
SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRP 05525	27 DEC 63	WLR

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		FRACTIONS DECIMALS ANGLES + - + - + -	ACSP PN		DATE 11 OCT 63	
		DO NOT SCALE THIS DRAWING	DRAWN <i>Schurke</i>		CHECKED <i>Wagner</i> 26 OCT 63	
		MATERIAL	APPROVAL <i>Wagner</i> 10-31-63		WIRING HARNESS C (TRAY 1)	
1007141 1007151		CONTRACT NAS9-497	NASA APPROVAL <i>Wagner</i>		CODE IDENT NO.	SIZE
NEXT ASSY USED ON			MIT APPROVAL <i>Wagner</i> 11/26/63		C	1015739
APPLICATION			SCALE 1/1		SHEET 7 OF 7	

GGC	WIRING HARNESS C	B	1015739
PENNANT	GENERAL NOTES		
NOTE			
1	SEE CONDUCTOR CHART		
2	SEE CONDUCTOR CHART		
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.		
4	MARK CONDUCTOR IDENTIFICATION PER ND1002019.		
5	SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.		
6	SPIRALLING OF THE MARKING IS ALLOWED.		
7	LACE HARNESS USING ITEM 3		
8	IDENTIFY USING DRAWING NO. AND REVISION LETTER PER MIL-STD-130 (ES-267).		
9	Y OR N IN TINNED COLUMN INDICATES YES OR NO.		
10	GRID MODULE IS 1 INCH.		
11	UNLESS OTHERWISE SPECIFIED --- FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .12 INCH. END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .06 INCH.		
12	BREAKOUTS OF INDIVIDUAL OR GROUPS OF CONDUCTORS ARE MINIMUM CONFIGURATION.		
13	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.		
14	IN CONDUCTOR CHART CONDUCTOR LENGTHS ARE FOR REFERENCE ONLY		
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015739
SCALE-NONE		REV LTR B	SHEET 2 OF 7

GGC	WIRING HARNESS C	B	1015739
PENNANT	GENERAL NOTES		
NOTE	TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---		
APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.			
TOLERANCE			
	WIRE	STRIP JACKET	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50
OVER 6 FEET			
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015739
SCALE-NONE		REV LTR B	SHEET 3 OF 7

APPLICATION		REVISIONS TDRR 047P3	
NEXT ASSY	USED ON	SYM	DESCRIPTION
1007141	1007157	A	REVISED PER TDRR 05526
		B	REVISED PER TDRR 05567
REV SHEET		DATE	
REV STATUS REV		DATE	
OF SHEETS SHEET		DATE	
AC SPARK PLUG DIVISION, GMC		DATE	
MILWAUKEE, WISCONSIN		DATE	
ACSP PN		DATE	
DRAWN		DATE	
CHECKED		DATE	
APPROVAL		DATE	
APPROVAL		DATE	
NASA APPROVAL		DATE	
MIT APPROVAL		DATE	
CONTRACT NAS 9-497		DATE	
WIRING HARNESS C (TRAY 1)		DATE	
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		DATE	
CODE IDENT NO.		DATE	
SIZE A		DATE	
REV B		DATE	
SCALE ---		DATE	
SHEET 1 OF 7		DATE	

GGC	WIRING HARNESS C	B	1015739
PENNANT	LIST OF MATERIALS		
NOTE	ITEM	QTY	PART NO DESCRIPTION
13	1	AR	1010639- 2 WIRE, 11 FT 2.1 IN TOTAL LENGTH
13	2	AR	1010639- 4 WIRE, 41.6 IN TOTAL LENGTH
3	AR	MIL-T-713	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
4	AR	MIL-W-16878/18-20-19STND	WIRE-WHITE 10.0 IN. TOTAL LENGTH
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		SIZE A	1015739
SCALE-NONE		REV LTR B	SHEET 4 OF 7

CONDUCTOR INDIVIDUAL LENGTH		FROM		TO		TERMINATION SPEC. NO.	ITEM NO.	CUT WIRE OR SHIELD		TERMINATION SPEC. NO.	ITEM NO.
		ITEM NO.	NO.	ITEM NO.	NO.			STRIP WIRE OR JACKET CIRCUIT POINT	NO.		
C 1	2	1130	5A1P1-R 1	20N				9	45A1J4- 3	20N	
C 2	4	490	5A1P1-R 5	22Y				7	45A1J11-12	22Y	
C 3	1	890	5A1P1-P 4	20N				11	45A1J6- 8	20N	
C 4	1	890	5A1P1-P 5	20N				10	45A1J5- 8	20N	
C 5	2	1130	5A1P1-S 2	20N				6	45A1J4- 7	20N	
C 6	1	1050	5A1P1-S 4	20N				5	45A1J7- 4	20N	
C 7	1	420	5A1J7- 4	20N				29	45A1J6- 4	20N	
C 8	1	420	5A1J6- 4	20N				41	45A1J5- 4	20N	
C 9	2	970	5A1P1-S 5	20N				4	45A1J11- 3	20N	
C 11	1		45A1J4- 1	20N				1	45A1J5- 7	20N	
C 12	1	420	5A1J5- 7	20N				48	45A1J6- 7	20N	
C 13	1	420	5A1J6- 7	20N				37	45A1J7- 7	20N	
C 14	1	340	5A1J7- 7	20N				26	45A1P1-N 6	20N	
C 15	2	410	5A1J11-11	20N				22	45A1J10-11	20N	
C 16			DELETED								
C 17			DELETED								
C 18	1	800	5A1P1-N 5	20N				13	45A1J5-12	20N	
C 19	1	420	5A1J5-12	20N				43	45A1J6-12	20N	

1015739

A

SPACECRAFT
CENTER
HOUSTON, TEXAS

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

SCALE - NONE
REV LTR B
SHEET 5 OF 7

CONDUCTOR INDIVIDUAL LENGTH		FROM		TO		TERMINATION SPEC. NO.	ITEM NO.	CUT WIRE OR SHIELD		TERMINATION SPEC. NO.	ITEM NO.
		ITEM NO.	NO.	ITEM NO.	NO.			STRIP WIRE OR JACKET CIRCUIT POINT	NO.		
C 20	1	420	5A1J6-12	20N				32	45A1J7-12	20N	
C 21	1	830	5A1P1-N 4	20N				14	45A1J5-11	20N	
C 22	1	420	5A1J5-11	20N				45	45A1J6-11	20N	
C 23	1	420	5A1J6-11	20N				33	45A1J7-11	20N	
C 24	1	900	5A1P1-L 3	20N				17	45A1J5- 5	20N	
C 25	1	420	5A1J5- 5	20N				50	45A1J6- 5	20N	
C 26	1	420	5A1J6- 5	20N				38	45A1J7- 5	20N	
C 27	1	990	5A1P1-N 3	20N				15	45A1J6- 9	20N	
C 28	1	1110	5A1P1-R 4	20N				8	45A1J7- 8	20N	
C 29	4	490	5A1P1-R 5	22Y				7	45A1J11-12	22Y	

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

A

SPACECRAFT
CENTER
HOUSTON, TEXAS

SCALE - NONE
REV LTR B
SHEET 6 OF 7

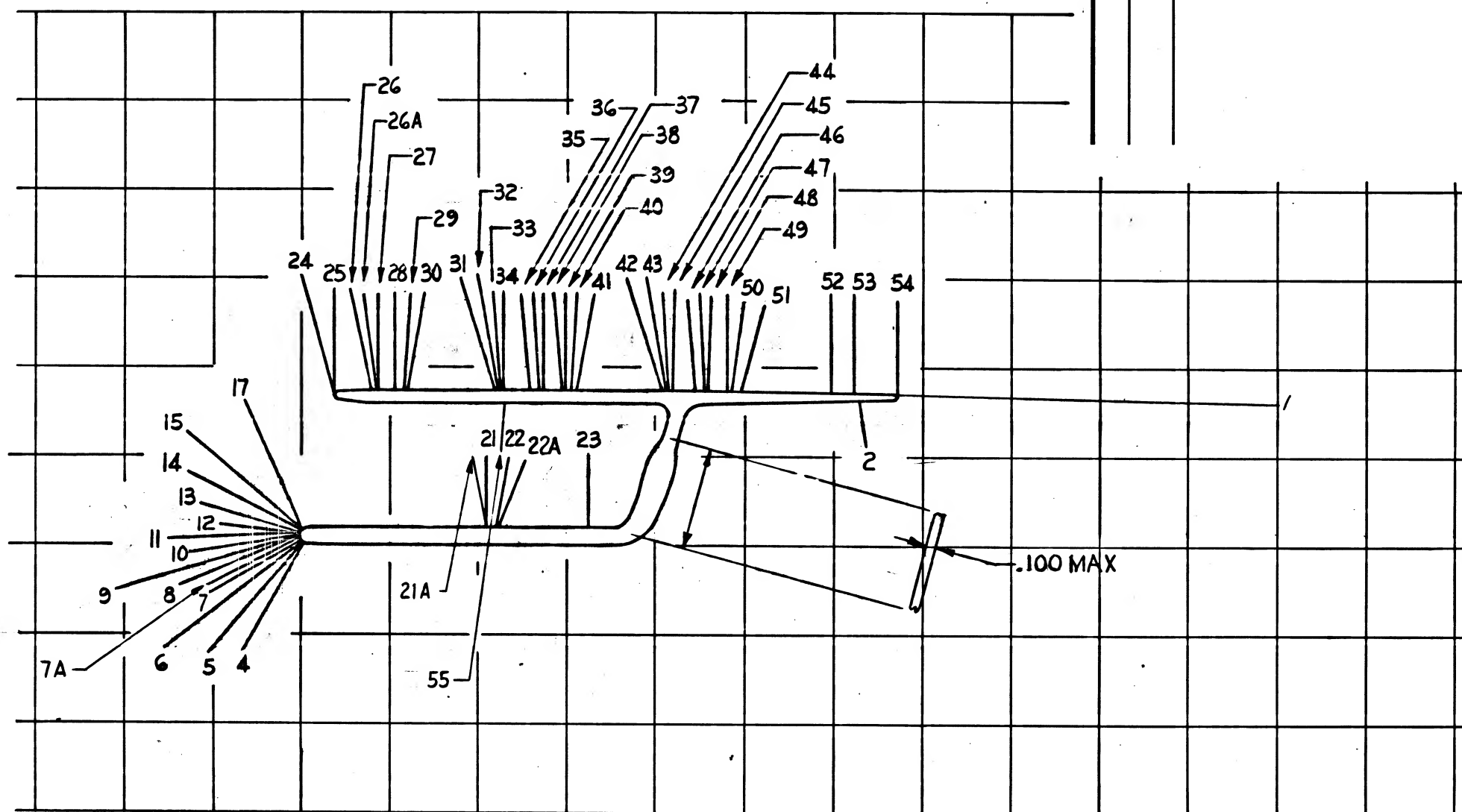
4

6279101 3

2

1

REVISIONS TDRR 047 63				
SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRR 05525	27 DEC 63	WLR
B		REVISED PER TDRR 05567	31 DEC 63	WLR



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
FRACTIONS DECIMALS ANGLES + - + - + -		ACSP PN		DATE 11 OCT 63	
DO NOT SCALE THIS DRAWING		DRAWN Schurke		CHECKED Hughes 26 OCT 63	
MATERIAL		APPROVAL R. O. Sherry		APPROVAL 29 DEC 63	
CONTRACT NAS9-497		NASA APPROVAL		MIT APPROVAL 22/01/11/20/63	
APPLICATION		CODE IDENT NO.		SIZE C	
NEXT ASSY 1007141		USED ON 1007151		SCALE 1/1	
SHEET 7 OF 7		1015739			

MIL 1077C-P

4

3

2

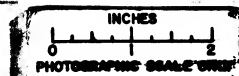
1

GGC WIRING HARNESS C C 1015739

CONDUCTOR		FROM		TO	
INDIVIDUAL LENGTH	ITEM NO.	STEP WIRE OR JACKET	TERMINATION SPEC	STEP WIRE OR JACKET	TERMINATION SPEC
NUMBER	NO.	CIRCUIT POINT	ITEM NO.	CIRCUIT POINT	ITEM NO.
C 1	2	113045A1P1-R 1	20M	9 45A1J6- 3	20M
C 2	4	49045A1P1-R 5	22V	7 45A1J11-12	22V
C 3	1	89045A1P1-P 4	20M	11 45A1J6- 8	20M
C 4	1	83045A1P1-P 5	20M	10 45A1J5- 8	20M
C 5	2	113045A1P1-S 2	20M	6 45A1J4- 7	20M
C 6	1	105045A1P1-S 4	20M	5 45A1J7- 4	20M
C 7	1	42045A1J7- 4	20M	29 45A1J6- 4	20M
C 8	1	42045A1J6- 4	20M	41 45A1J5- 4	20M
C 9	2	57045A1P1-S 5	20M	4 45A1J11- 3	20M
C 11	1	45A1J4- 1	20M	1 45A1J5- 7	20M
C 12	1	42045A1J5- 7	20M	48 45A1J6- 7	20M
C 13	1	42045A1J6- 7	20M	37 45A1J7- 7	20M
C 14	1	34045A1J7- 7	20M	20 45A1P1-N 6	20M
C 15	2	41045A1J11-11	20M	55 45A1J10-11	20M
C 16		DELETED			
C 17		DELETED			
C 18	1	80045A1P1-N 5	20M	13 45A1J5-12	20M
C 19	1	42045A1J5-12	20M	45 45A1J6-12	20M
THE STD CONDUCTOR TERMINATION FIGURES ARE PER		HARNER SPACECRAFT CENTER HOUSTON, TEXAS		1015739	
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.		SCALE-NONE		REV LTR C	
				SHEET 5 OF 7	

GGC WIRING HARNESS C C 1015739

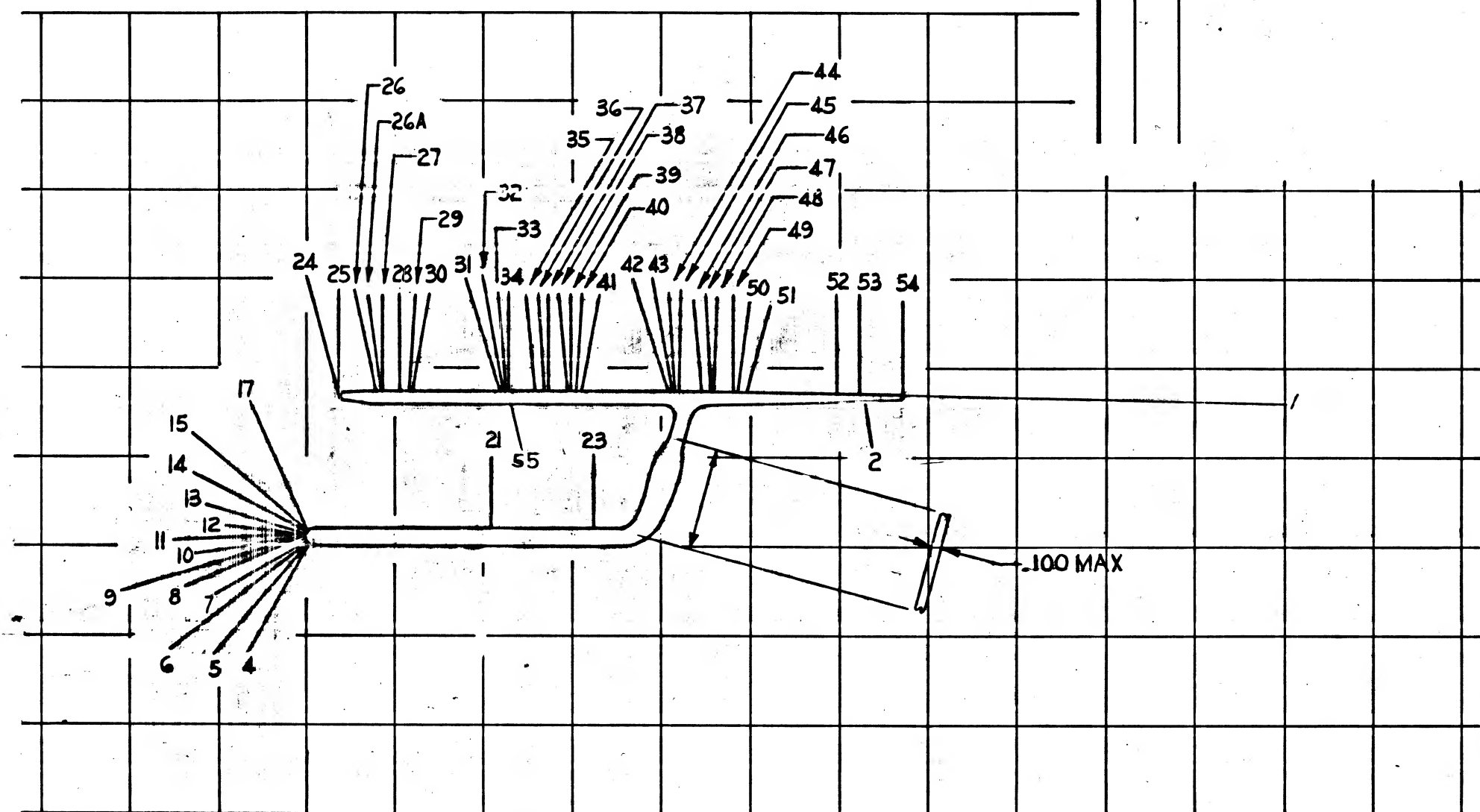
CONDUCTOR		FROM		TO	
INDIVIDUAL LENGTH	ITEM NO.	STEP WIRE OR JACKET	TERMINATION SPEC	STEP WIRE OR JACKET	TERMINATION SPEC
NUMBER	NO.	CIRCUIT POINT	ITEM NO.	CIRCUIT POINT	ITEM NO.
C 20	1	42045A1J6-12	20M	32 45A1J7-12	20M
C 21	1	89045A1P1-N 4	20M	14 45A1J5-11	20M
C 22	1	42045A1J5-11	20M	45 45A1J6-11	20M
C 23	1	42045A1J6-11	20M	35 45A1J7-11	20M
C 24	1	90045A1P1-L 3	20M	17 45A1J5- 5	20M
C 25	1	42045A1J5- 5	20M	50 45A1J6- 5	20M
C 26	1	42045A1J6- 5	20M	38 45A1J7- 5	20M
C 27	1	99045A1P1-N 3	20M	15 45A1J4- 9	20M
C 28	1	111045A1P1-R 4	20M	8 45A1J7- 8	20M
C 29		DELETED			
THE STD CONDUCTOR TERMINATION FIGURES ARE PER		HARNER SPACECRAFT CENTER HOUSTON, TEXAS		1015739	
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.		SCALE-NONE		REV LTR C	
				SHEET 6 OF 7	



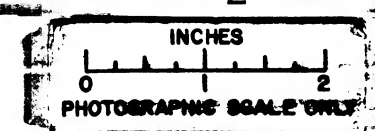
4 3 2 1

REVISIONS TDRR 047 F3				
SYM	ZONE	DESCRIPTION	DATE	APPD.
A		REVISED PER TDRR 05525	27 DEC 63	WJR
B		REVISED PER TDRR 05567	31 DEC 63	WJR
C		REVISED PER TDRR 07018	21 JUL 64	WJR

D
C
B
A



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		FRACTIONS DECIMALS ANGLES + - + - + - - - - - -	DRAWN <i>Schwabe</i> 11 OCT 63 CHECKED <i>Finley</i> 26 OCT 63 APPROVAL <i>W. O. Sherry</i> APPROVAL <i>W. O. Sherry</i> 29 OCT 63		WIRING HARNESS C (TRAY 1)	
1007141 1007151 NEXT ASSY USED ON		DO NOT SCALE THIS DRAWING	NASA APPROVAL <i>Sherry</i> MIT APPROVAL <i>Sherry</i> 11/20/63		CODE IDENT NO.	SIZE
APPLICATION		MATERIAL	CONTRACT NAS9-497		C	1015739
					SCALE 1/1	SHEET 7 OF 7



APPLICATION		REVISIONS TO OR OF			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
1007141	1007157	A	REVISED PER TORR 05565	17 AUG 64	W. N.
		B	REVISED PER TORR 05567	20 SEP 64	J. W. C. W.
		C	REVISED, T DAR C7018	19 OCT 64	W. N.
		D	REPLACED WITH CHANGE BY REV (E) PER TDAR 23191	18 OCT 65	W. N.

① REPLACED WITH CHANGE BY REV ⑤

28 Oct 63	REV	1	2	3	4	5	6	7
28 Oct 63	REV	1	2	3	4	5	6	7
28 Oct 63	REV	1	2	3	4	5	6	7

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANUFACTURED BY
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS C
(TRAY 1)

CODE IDENT NO.	SIZE	REV
A	1015739	D

CONTRACT NAS 9-497

SHEET 1 OF 7

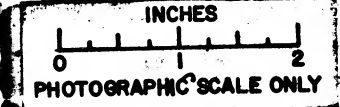
CONDUCTOR		FROM		TO	
		ITEM NO.	TERMINATION SPEC. NO.	ITEM NO.	TERMINATION SPEC. NO.
INDIVIDUAL LENGTH	NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	NO.
C 1	2	113045A1P1-R 1	9	45A1J6- 3	54
C 2	1	49045A1P1-R 5	7	45A1J11-12	21
C 3	1	89045A1P1-P 4	11	45A1J6- 8	35
C 4	1	83045A1P1-P 5	10	45A1J5- 8	46
C 5	2	113045A1P1-S 2	6	45A1J6- 7	53
C 6	1	105045A1P1-S 4	5	45A1J7- 4	30
C 7	1	42045A1J7- 4	29	45A1J6- 4	40
C 8	1	42045A1J6- 4	41	45A1J5- 4	51
C 9	1	57045A1P1-S 5	4	45A1J11- 3	23
C 10	2	54045A1J4- 1	1	45A1J10-11	3
C 11	2	35045A1J10-11	2	45A1J5- 7	47
C 12	1	42045A1J5- 7	48	45A1J6- 7	36
C 13	1	42045A1J6- 7	37	45A1J7- 7	27
C 14	1	34045A1J7- 7	26	45A1J11-11	22
C 15	1	41045A1J11-11	22	45A1P1-N 6	12
C 16	2	51045A1J11-16	20	45A1P1-M 2	16
C 17	2	50045A1J11-17	19	45A1P1-L 1	18
C 18	1	80045A1P1-N 5	13	45A1J5-12	42

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

1015739

SCALE: NONE REV LTR + SHEET 5 OF 7

WIRING HARNESS C



CONDUCTOR		FROM		TO	
		ITEM NO.	TERMINATION SPEC. NO.	ITEM NO.	TERMINATION SPEC. NO.
INDIVIDUAL LENGTH	NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	NO.	CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	NO.
C 19	1	42045A1J5-12	43	45A1J6-12	31
C 20	1	42045A1J6-12	32	45A1J7-12	24
C 21	1	89045A1P1-N 4	14	45A1J5-11	44
C 22	1	42045A1J5-11	45	45A1J6-11	34
C 23	1	42045A1J6-11	33	45A1J7-11	25
C 24	1	90045A1P1-L 3	17	45A1J5- 5	49
C 25	1	42045A1J5- 5	50	45A1J6- 5	39
C 26	1	42045A1J6- 5	38	45A1J7- 5	28
C 27	1	99045A1P1-N 3	15	45A1J4- 9	52
C 28	1	111045A1P1-R 4	8	45A1J7- 8	26

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

1015739

SCALE: NONE REV LTR + SHEET 6 OF 7

WIRING HARNESS C

